

LAMPIRAN A

HASIL UJI MUTU FISIK GRANUL BAHAN KO-PROSES

Formula	Replikasi	Carr's Index (%)	Persyaratan (%)	Hausner Ratio	Persyaratan
F1	I	12,99	11 – 15 = baik (Food and Drug Administration, 2006)	1,14	< 1,25 (Mathpati <i>et al</i> , 2012)
	II	10,99		1,12	
	III	12,90		1,14	
	Rata-rata	12,29		1,13	
	± SD	1,13		0,01	
F2	I	11,98	11 – 15 = baik (Food and Drug Administration, 2006)	1,13	< 1,25 (Mathpati <i>et al</i> , 2012)
	II	12,98		1,14	
	III	11,98		1,13	
	Rata-rata	12,31		1,14	
	± SD	0,57		0,007	
F3	I	14,98	11 – 15 = baik (Food and Drug Administration, 2006)	1,17	< 1,25 (Mathpati <i>et al</i> , 2012)
	II	17,00		1,20	
	III	17,94		1,20	
	Rata-rata	16,64		1,19	
	± SD	1,51		0,01	
F4	I	19,99	16 – 20 = cukup (Food and Drug Administration, 2006)	1,25	< 1,25 (Mathpati <i>et al</i> , 2012)
	II	21,00		1,26	
	III	20,99		1,26	
	Rata-rata	20,66		1,25	
	± SD	0,58		0,007	
F5	I	13,00	11 – 15 = baik (Food and Drug Administration, 2006)	1,14	< 1,25 (Mathpati <i>et al</i> , 2012)
	II	16,06		1,18	
	III	18,00		1,22	
	Rata-rata	15,69		1,18	
	± SD	2,50		0,03	
F6	I	17,00	16-20 = cukup (Food and Drug Administration, 2006)	1,20	< 1,25 (Mathpati <i>et al</i> , 2012)
	II	15,00		1,17	
	III	20,00		1,25	
	Rata-rata	17,33		1,20	
	± SD	2,54		0,04	
F7	I	20,00	16 – 20 = cukup (Food and Drug Administration, 2006)	1,25	< 1,25 (Mathpati <i>et al</i> , 2012)
	II	20,00		1,25	
	III	15,00		1,17	
	Rata-rata	18,33		1,22	
	± SD	2,88		0,04	
F8	I	20,00	16 – 20 = cukup (Food and Drug Administration, 2006)	1,25	< 1,25 (Mathpati <i>et al</i> , 2012)
	II	20,00		1,25	
	III	18,00		1,22	
	Rata-rata	19,33		1,24	
	± SD	1,15		0,02	

Hasil Uji Kelembapan

Formula	Kelembapan (%)								Persyaratan
	F1	F2	F3	F4	F5	F6	F7	F8	
Replikasi I	3,90	2,89	2,79	2,34	2,98	3,41	3,14	3,52	2 -5% (Ansel, 1989)
Replikasi II	2,67	3,18	2,07	2,06	3,76	3,36	3,61	3,76	
Replikasi III	2,46	2,06	3,85	3,20	2,73	2,98	2,66	2,82	
Rata-rata	3,01	2,71	2,90	2,53	3,15	3,25	3,13	3,36	
±	±	±	±	±	±	±	±	±	
SD	0,77	0,58	0,08	0,59	0,53	0,23	0,47	0,49	

LAMPIRAN B
HASIL UJI KEKERASAN TABLET KO-PROSES

REPLIKASI I

No	Kekerasan Tablet Ko-proses (Kp)							
	F1	F2	F3	F4	F5	F6	F7	F8
1	2,80	2,60	2,30	2,70	2,30	2,10	2,70	2,40
2	2,60	2,50	1,90	2,00	1,80	2,80	3,20	2,60
3	3,20	2,70	2,70	2,50	2,70	3,30	2,70	3,00
4	2,90	1,70	2,10	2,30	3,40	2,90	2,90	2,70
5	2,50	2,70	2,00	2,00	2,90	3,00	2,70	2,80
6	2,80	2,50	2,90	2,00	3,00	2,40	2,80	2,00
7	2,90	2,40	2,50	2,20	2,50	3,00	2,80	2,20
8	2,80	2,70	2,20	2,40	4,00	2,90	2,70	2,50
9	2,80	2,70	2,50	2,30	3,20	3,10	2,20	2,90
10	2,90	3,10	2,70	2,30	2,90	2,80	2,90	2,60
Rata-rata	2,90	2,56	2,38	2,27	2,87	2,83	2,76	2,57
± SD	0,19	0,36	0,33	0,23	0,61	0,35	0,25	0,31
KV	6,55	14,06	13,86	10,13	21,25	12,36	9,05	12,06

REPLIKASI II

No	Kekerasan Tablet Ko-proses (Kp)							
	F1	F2	F3	F4	F5	F6	F7	F8
1	2,90	2,10	2,30	2,10	3,10	2,60	2,30	2,90
2	2,90	2,80	1,90	2,40	2,50	2,50	2,80	2,20
3	2,30	2,20	2,70	2,40	2,60	3,20	2,00	2,90
4	3,30	2,10	2,10	2,50	3,10	2,50	2,70	2,50
5	2,50	2,10	2,00	2,20	3,10	3,20	2,50	3,10
6	3,00	2,60	2,90	1,90	2,40	3,10	2,70	2,80
7	2,60	2,60	2,50	2,40	2,60	3,10	2,50	2,10
8	2,60	2,69	2,20	1,70	2,90	2,70	2,40	1,80
9	2,60	2,80	2,50	2,30	2,70	3,00	2,40	2,00
10	3,10	2,30	2,70	2,10	2,30	1,60	2,60	3,50
Rata-rata	2,78	2,43	2,38	2,20	2,73	2,75	2,49	2,58
± SD	0,31	0,30	0,33	0,25	0,30	0,49	0,23	0,55
KV	11,15	12,34	13,86	11,36	10,98	17,81	9,23	21,31

REPLIKASI III

No	Kekerasan Tablet Ko-proses (Kp)							
	F1	F2	F3	F4	F5	F6	F7	F8
1	2,50	3,00	2,40	2,70	2,90	2,90	2,30	2,80
2	3,00	2,20	2,40	2,00	2,70	3,20	2,60	2,50
3	2,80	2,80	2,60	2,00	3,10	2,70	1,90	2,70
4	2,80	2,50	1,90	2,20	2,80	2,20	2,30	1,50
5	3,20	2,90	2,10	2,00	3,10	2,80	2,70	2,10
6	2,90	3,30	2,40	2,00	2,10	2,60	2,60	2,00
7	3,20	2,90	2,40	2,60	3,00	1,70	2,20	2,90
8	1,30	2,70	1,80	2,40	3,10	2,20	2,50	2,50
9	2,90	3,10	2,70	1,90	2,80	2,80	2,10	2,30
10	3,20	2,60	2,50	2,10	2,60	2,90	2,70	2,90
Rata-rata	2,78	2,80	2,32	2,19	2,82	2,60	2,39	2,42
± SD	0,57	0,32	0,29	0,28	0,31	0,44	0,27	0,45
KV	20,50	11,42	12,50	12,78	10,99	16,92	11,29	18,59

LAMPIRAN C
HASIL UJI KERAPUHAN TABLET KO-PROSES

Formula	Replikasi	Berat awal (gram)	Berat akhir (gram)	Kerapuhan (%)	Rata-rata \pm SD	KV
F1	I	1.9477	1.9356	0,62	0,63	11,11
	II	1.8380	1.8263	0,63	\pm	
	III	1.8549	1.8432	0,63	0,07	
F2	I	1,8708	1,8570	0,73	0,75	4,00
	II	1,8610	1,8463	0,78	\pm	
	III	1,8073	1,7941	0,73	0,03	
F3	I	1,7840	1,7678	0,90	0,92	1,08
	II	1,6793	1,6638	0,92	\pm	
	III	1,7647	1,7483	0,92	0,01	
F4	I	1,7509	1,7397	0,64	0,67	10,44
	II	1,8567	1,8426	0,76	\pm	
	III	1,8216	1,8102	0,62	0,07	
F5	I	1,9852	1,9728	0,62	0,63	3,17
	II	1,9039	1,8923	0,61	\pm	
	III	1,9318	1,9194	0,64	0,02	
F6	I	1,8447	1,8410	0,20	0,45	68,88
	II	1,7260	1,7120	0,81	\pm	
	III	1,8175	1,8112	0,34	0,31	
F7	I	1,8328	1,8301	0,15	0,18	83,33
	II	1,8169	1,8106	0,34	\pm	
	III	1,8479	1,8471	0,04	0,15	
F8	I	1,8032	1,7936	0,53	0,60	46,66
	II	1,7804	1,7738	0,37	\pm	
	III	1,8850	1,8679	0,90	0,28	

LAMPIRAN D
HASIL UJI WAKTU HANCUR TABLET KO-PROSES

REPLIKASI I

No	Waktu Hancur Tablet Ko-proses (detik)							
	F1	F2	F3	F4	F5	F6	F7	F8
1	276,0	253,0	70,0	46,0	471,0	516,0	151,0	200,0
2	235,0	257,0	70,0	58,0	406,0	490,0	157,0	207,0
3	273,0	266,0	64,0	50,0	437,0	509,0	156,0	176,0
4	255,0	272,0	71,0	55,0	453,0	515,0	173,0	222,0
5	265,0	265,0	61,0	47,0	462,0	503,0	168,0	218,0
Rata-rata	260,8	262,6	67,2	51,2	445,8	506,6	161,0	204,6
± SD	16,60	7,6	4,4	5,2	25,5	10,6	9,1	18,2
KV	6,36	2,89	6,54	10,16	5,72	2,09	5,65	8,89

REPLIKASI II

No	Waktu Hancur Tablet Ko-proses (detik)							
	F1	F2	F3	F4	F5	F6	F7	F8
1	275,0	246,0	69,0	43,0	456,0	525,0	167,0	201,0
2	261,0	265,0	65,0	56,0	449,0	510,0	171,0	207,0
3	236,0	283,0	67,0	54,0	436,0	513,0	149,0	218,0
4	262,0	255,0	71,0	53,0	469,0	508,0	169,0	232,0
5	282,0	253,0	62,0	47,0	434,0	471,0	150,0	163,0
Rata-rata	263,2	260,4	66,8	50,6	448,8	505,4	161,2	204,2
± SD	17,6	14,3	3,5	5,4	14,5	20,3	10,8	25,9
KV	6,68	5,49	5,24	10,67	3,23	4,02	6,69	12,68

REPLIKASI III

No	Waktu Hancur Tablet Ko-proses (detik)							
	F1	F2	F3	F4	F5	F6	F7	F8
1	232,0	274,0	62,0	54,0	454,0	497,0	166,0	203,0
2	250,0	247,0	70,0	49,0	442,0	510,0	149,0	178,0
3	290,0	276,0	69,0	46,0	436,0	478,0	163,0	226,0
4	272,0	257,0	69,0	58,0	469,0	523,0	177,0	219,0
5	254,0	255,0	73,0	54,0	430,0	512,0	143,0	205,0
Rata-rata	259,6	261,8	68,6	52,2	446,2	504,0	159,6	206,2
± SD	22,2	12,6	4,0	4,7	15,5	17,2	13,6	18,5
KV	8,55	4,81	5,83	9,00	3,47	3,41	8,52	8,97

LAMPIRAN E
HASIL UJI WAKTU PEMBASAHAN TABLET KO-PROSES

REPLIKASI I

No	Waktu Pembasahan Tablet Ko-proses (detik)							
	F1	F2	F3	F4	F5	F6	F7	F8
1	701,0	1023,0	152,0	112,0	3475,0	5100,0	1039,0	469,0
2	757,0	1029,0	129,0	136,0	3443,0	5340,0	1053,0	417,0
3	708,0	1037,0	141,0	130,0	3418,0	4860,0	1041,0	457,0
4	731,0	1037,0	146,0	145,0	3462,0	4680,0	1024,0	383,0
5	725,0	1028,0	126,0	103,0	3440,0	4980,0	1117,0	379,0
Rata-rata	724,4	1030,8	138,8	125,2	3447,6	499,0	1054,8	421,0
\pm SD	21,9	6,1	11,1	17,3	21,9	248,8	36,3	41,3
KV	3,02	0,59	7,99	13,81	0,63	4,98	3,44	9,81

REPLIKASI II

No	Waktu Pembasahan Tablet Ko-proses (detik)							
	F1	F2	F3	F4	F5	F6	F7	F8
1	709,0	1031,0	136,0	148,0	3432,0	4860,0	1056,0	446,0
2	736,0	1045,0	147,0	113,0	3455,0	4980,0	1051,0	440,0
3	729,0	1010,0	142,0	121,0	3459,0	5340,0	1087,0	401,0
4	729,0	1034,0	126,0	117,0	3408,0	4620,0	1092,0	434,0
5	713,0	1042,0	135,0	126,0	3449,0	5040,0	1005,0	393,0
Rata-rata	723,2	1032,4	137,2	125,0	3440,6	4968,0	1058,2	422,8
\pm SD	11,6	13,8	7,9	13,7	20,9	262,9	34,9	24,1
KV	1,60	1,34	5,76	10,96	0,61	5,29	3,29	5,70

REPLIKASI III

No	Waktu Pembasahan Tablet Ko-proses (detik)							
	F1	F2	F3	F4	F5	F6	F7	F8
1	710,0	1036,0	132,0	134,0	3457,0	5160,0	1046,0	446,0
2	753,0	1027,0	143,0	121,0	3455,0	4980,0	1093,0	381,0
3	725,0	1035,0	134,0	106,0	3441,0	5160,0	1017,0	439,0
4	721,0	1039,0	145,0	135,0	3413,0	4740,0	1066,0	459,0
5	719,0	1008,0	148,0	133,0	3455,0	4860,0	1061,0	394,0
Rata-rata	725,6	1029,0	140,4	125,8	3444,2	4980,0	1056,6	423,8
\pm SD	16,3	12,5	7,0	12,4	18,6	184,9	27,9	34,2
KV	2,25	1,21	4,98	9,85	0,54	3,71	2,64	8,07

LAMPIRAN F
HASIL UJI RASIO ABSORPSI AIR TABLET KO-PROSES

REPLIKASI I

Formula	Wb (mg)	Wa (mg)	Rasio	Rata-rata ± SD	KV
F1	105,7	120,2	13,71	23,21 ± 6,47	27,87
	107,5	139,7	29,95		
	107,9	138,0	27,89		
	107,8	129,6	20,22		
	105,4	131,0	24,28		
F2	92,9	102,6	10,44	13,31 ± 2,57	19,31
	94,5	109,7	16,08		
	82,8	95,2	14,97		
	87,2	99,7	14,33		
	88,6	98,1	10,72		
F3	99,9	141,1	41,24	36,01 ± 6,47	17,97
	96,7	122,0	26,16		
	97,8	139,2	42,33		
	97,3	132,4	36,07		
	95,8	128,6	34,23		
F4	90,5	127,1	40,44	43,65 ± 1,84	4,22
	89,0	128,4	44,26		
	91,0	133,0	45,15		
	88,7	127,8	44,08		
	86,0	124,1	44,30		
F5	87,2	103,7	18,92	11,28 ± 5,07	44,95
	99,6	109,4	9,83		
	96,8	102,8	6,19		
	96,7	109,8	13,54		
	99,6	107,5	7,93		
F6	94,2	108,1	14,75	12,89 ± 4,11	31,89
	91,6	97,3	6,22		
	92,0	102,8	11,73		
	91,6	106,6	16,37		
	96,3	111,7	15,36		
F7	86,4	119,6	38,42	35,43 ± 5,16	14,56
	88,6	119,0	34,31		
	86,1	111,0	28,91		
	85,4	113,7	33,13		
	84,0	119,6	42,38		
F8	87,8	106,8	21,60	32,98 ± 11,85	35,93
	92,4	110,2	19,26		
	93,5	131,1	40,21		
	85,3	124,5	45,95		
	91,9	125,7	37,86		

REPLIKASI II

Formula	Wb (mg)	Wa (mg)	Rasio	Rata-rata \pm SD	KV
F1	91,1	112,0	22,94	20,38 \pm 4,02	19,73
	92,0	108,4	17,82		
	95,1	109,6	15,24		
	93,6	112,8	20,51		
	94,1	118,0	25,39		
F2	90,7	96,5	6,39	13,64 \pm 4,35	31,89
	94,3	109,4	16,01		
	86,7	98,7	13,84		
	93,2	109,8	17,81		
	94,1	107,4	14,13		
F3	91,8	120,4	31,15	38,35 \pm 7,30	19,04
	97,0	140,3	44,63		
	94,5	139,5	47,61		
	94,5	126,1	33,43		
	96,2	129,8	34,92		
F4	82,6	116,3	44,66	41,56 \pm 2,36	5,68
	92,7	134,1	40,79		
	87,3	120,9	38,48		
	83,0	116,9	40,84		
	92,5	132,3	43,02		
F5	91,0	103,2	13,40	13,48 \pm 1,82	13,50
	90,7	100,6	10,91		
	90,3	101,8	12,73		
	89,5	102,8	14,86		
	88,9	102,7	15,52		
F6	89,3	101,5	13,66	11,98 \pm 3,26	27,21
	79,2	92,6	16,91		
	85,0	92,7	9,05		
	84,4	92,9	10,07		
	89,3	98,4	10,19		
F7	91,6	145,9	59,27	34,59 \pm 15,83	45,76
	92,0	123,2	33,91		
	92,2	119,1	29,17		
	93,6	126,4	35,04		
	92,0	106,3	15,54		
F8	89,8	109,9	22,38	31,41 \pm 11,66	37,12
	85,7	118,1	37,80		
	80,6	118,9	47,51		
	91,0	118,9	30,65		
	91,4	108,5	18,70		

REPLIKASI III

Formula	Wb (mg)	Wa (mg)	Rasio	Rata-rata \pm SD	KV
F1	95,4	120,4	26,20	22,76 \pm 2,17	9,53
	95,5	117,8	23,35		
	94,3	113,8	20,67		
	93,6	113,6	21,36		
	94,5	115,5	22,22		
F2	80,3	92,1	14,69	12,12 \pm 3,37	27,81
	88,7	97,6	10,03		
	90,5	90,5	16,68		
	84,4	93,1	10,30		
	87,4	94,2	8,92		
F3	91,6	124,7	36,13	34,82 \pm 7,83	22,,49
	93,3	133,6	43,19		
	93,4	125,6	34,47		
	92,3	112,7	22,10		
	94,5	130,6	38,20		
F4	98,0	142,3	44,46	41,78 \pm 2,73	6,53
	89,0	128,7	40,84		
	87,9	123,8	38,18		
	91,4	126,3	40,82		
	96,5	131,9	44,60		
F5	97,3	110,2	13,25	12,95 \pm 1,95	15,06
	91,8	112,5	16,21		
	79,7	89,0	11,66		
	91,0	102,1	12,19		
	92,7	103,3	11,43		
F6	84,5	95,2	12,66	11,42 \pm 1,84	16,11
	86,0	95,4	1093		
	92,3	103,9	12,56		
	90,7	102,1	12,56		
	89,2	96,7	8,40		
F7	92,9	121,7	31,00	30,63 \pm 8,35	27,26
	93,3	130,5	39,97		
	92,3	125,1	35,53		
	86,3	111,2	28,85		
	85,9	101,2	17,81		
F8	87,4	108,4	24,02	30,58 \pm 4,98	16,29
	85,7	118,3	38,03		
	86,4	112,2	29,86		
	83,6	108,9	30,26		
	91,4	119,5	30,74		

LAMPIRAN G

HASIL UJI MUTU FISIK GRANUL KO-PROSES OPTIMUM

Formula Optimum	Kelembapan (%)	Persyaratan n (%)	Carr's Index (%)	Persyaratan (%)	Hausner Ratio	Persyaratan n
Batch 1	2,59		18,00	16 – 20 =	1,21	
Batch 2	3,47	2 – 5%	17,00	cukup (Food	1,20	< 1,25
Batch 3	3,08	(Ansel,	17,98	and Drug	1,22	(Mathpati
Rata-rata	3,30	1989)	17,66	Administratio	1,21	<i>et al</i> , 2012)
± SD	0,17		0,57	n, 2006)	0,01	

LAMPIRAN H

HASIL UJI KEKERASAN TABLET KO-PROSES OPTIMUM

No	Kekerasan Tablet Ko-proses Optimum (Kp)		
	Batch 1	Batch 2	Batch 3
1	2,7	2,5	2,3
2	2,0	2,4	2,2
3	2,5	2,8	2,1
4	2,8	2,2	2,5
5	2,2	2,1	2,1
6	2,6	2,8	2,5
7	2,2	2,2	2,3
8	2,6	1,9	2,2
9	2,4	2,1	2,0
10	2,7	2,3	2,2
Rata-rata	2,47	2,33	2,24
\pm SD	0,26	0,30	0,16
KV	10,53	12,87	7,14

LAMPIRAN I

HASIL UJI KERAPUHAN TABLET KO-PROSES OPTIMUM

Formula	Replikasi	Berat awal (gram)	Berat akhir (gram)	Kerapuhan (%)	Rata-rata \pm SD	KV
Batch 1	I	1,8998	1,8859	0,73		
Batch 2	I	1,8762	1,8634	0,68	0,68 \pm 0,04	5,88
Batch 3	I	1,8663	1,8542	0,65		

LAMPIRAN J

HASIL UJI WAKTU HANCUR TABLET KO-PROSES OPTIMUM

No	Waktu Hancur Tablet Ko-proses Optimum (detik)		
	Batch 1	Batch 2	Batch 3
1	91	95	94
2	97	93	95
3	95	97	96
4	94	94	93
5	109	103	98
Rata-rata	97,20	96,40	95,20
\pm SD	6,94	3,97	1,92
KV	7,14	4,12	2,02

LAMPIRAN K

HASIL UJI WAKTU PEMBASAHAN TABLET KO-PROSES

OPTIMUM

No	Waktu Pembasahan Tablet Ko-proses Optimum (detik)		
	Batch 1	Batch 2	Batch 3
1	178	173	172
2	142	179	149
3	155	175	197
4	175	169	178
5	135	192	179
Rata-rata	157,00	177,60	175,00
\pm SD	19,22	8,82	17,28
KV	12,24	4,96	9,87

LAMPIRAN L

HASIL Uji Rasio Absorpsi Air Tablet Ko-Proses

Optimum

Formula Optimum	Wb (mg)	Wa (mg)	Rasio	Rata-rata ± SD	KV
Batch 1	94,5	132,4	40,00		
	94,4	129,7	37,39	36,45	
	94,0	121,1	28,82	±	13,96
	94,0	136,3	34,36	5,09	
	91,6	129,8	41,70		
Batch 2	95,5	131,6	37,80		
	99,3	141,3	42,69	36,82	
	88,7	116,8	31,67	±	10,84
	94,5	128,1	35,55	3,99	
	96,7	131,9	36,40		
Batch 3	97,2	122,8	26,33		
	95,8	135,0	40,91	35,45	
	96,4	130,6	35,47	±	15,51
	92,5	126,2	36,43	5,50	
	94,5	130,5	38,09		

LAMPIRAN M

HASIL UJI MUTU FISIK GRANUL ODT DOMPERIDONE

Formula ODT Domperidone	Kelembapan (%)	Persyaratan (%)	Carr's Index (%)	Persyaratan (%)	Hausner Ratio	Persyaratan
Batch 1	3,27		12,99	11 – 15 =	1,14	
Batch 2	2,44	2 – 5%	14,00	baik (Food	1,16	< 1,25
Batch 3	2,54	(Ansel,	11,99	and Drug	1,13	(Mathpati
Rata-rata	2,75	1989)	12,99	Administrati	1,14	<i>et al</i> , 2012)
± SD	0,45		1,00	on, 2006)	0,01	

LAMPIRAN N

HASIL UJI KESERAGAMAN KANDUNGAN TABLET ODT

DOMPERIDONE

Formula ODT Domperidone	Absorbansi	Bobot Tablet (mg)	Kons. Sampel (µg/ml)	Kadar Bahan Aktif (mg)	Kadar (%)
Batch 1	0,239	98	7,60	9,50	95,0
	0,245	101	7,81	9,76	97,6
	0,244	100	7,77	9,71	97,1
	0,248	104	7,92	9,90	99,0
	0,238	99	7,56	9,45	94,5
	0,243	101	7,74	9,67	96,7
	0,241	98	7,67	9,59	95,9
	0,240	98	7,64	9,55	95,5
	0,243	99	7,74	9,67	96,7
	0,237	99	7,53	9,41	94,1
				X	96,21
				SD	±1,51
				KV	1,57
Batch 2	0,247	102	7,88	9,85	98,5
	0,250	100	7,98	9,97	99,7
	0,236	99	7,50	9,37	93,7
	0,244	101	7,78	9,73	97,3
	0,242	103	7,71	9,64	96,4
	0,249	98	7,95	9,93	99,3
	0,234	100	7,43	9,28	92,8
	0,251	99	8,02	10,03	100,3
	0,232	98	7,36	9,2	92,0
	0,239	99	7,60	9,5	95,0
				X	96,5
				SD	±3,00
				KV	3,11
Batch 3	0,246	101	7,85	9,81	98,1
	0,241	101	7,67	9,59	95,9
	0,236	100	7,49	9,36	93,6
	0,242	102	7,71	9,64	96,4
	0,246	102	7,85	9,81	98,1
	0,242	102	7,71	9,64	96,4
	0,236	103	7,49	9,36	93,6
	0,243	102	7,74	9,67	96,7
	0,247	103	7,88	9,85	98,5
	0,245	99	7,81	9,76	97,6
				X	96,49
				SD	± 1,75
				KV	1,81

LAMPIRAN O

HASIL Uji KEKERASAN TABLET ODT DOMPERIDONE

No	Kekerasan Tablet ODT Domperidone (Kp)		
	Batch 1	Batch 2	Batch 3
1	2,8	2,2	2,8
2	3,0	2,2	2,3
3	2,1	2,1	2,9
4	2,4	2,2	2,7
5	2,4	3,1	3,0
6	2,2	2,1	2,4
7	2,6	2,0	2,2
8	2,3	2,5	2,5
9	2,2	2,0	2,2
10	2,5	2,2	2,8
Rata-rata	2,45	2,26	2,70
± SD	0,28	0,33	0,30
KV	11,43	14,60	11,11

LAMPIRAN P

HASIL UJI KERAPUHAN TABLET ODT DOMPERIDONE

Formula ODT Domperidone	Replikasi	Berat awal (gram)	Berat akhir (gram)	Kerapuhan (%)	Rata- rata ± SD	KV
Batch 1	I	2,0313	2,0167	0,72		
Batch 2	I	1,9653	1,9521	0,67	0,69 ± 0,02	2,89
Batch 3	I	2,0121	1,9984	0,68		

LAMPIRAN Q

HASIL Uji Waktu Hancur Tablet ODT Domperidone

No	Waktu Hancur Tablet ODT Domperidone (detik)		
	Batch 1	Batch 2	Batch 3
1	105	96	98
2	98	105	109
3	97	96	99
4	110	109	97
5	98	98	98
Rata-rata	101,60	100,80	100,20
\pm SD	5,68	5,89	4,97
KV	5,59	5,84	4,96

LAMPIRAN R
HASIL UJI WAKTU PEMBASAHAN TABLET ODT
DOMPERIDONE

No	Waktu Pembasahan Tablet ODT Domperidone (detik)		
	Batch 1	Batch 2	Batch 3
1	195	179	186
2	192	186	191
3	184	186	181
4	156	195	171
5	164	173	178
Rata-rata	178,20	183,80	181,40
\pm SD	17,33	8,29	7,64
KV	9,73	4,51	4,21

LAMPIRAN S

HASIL UJI RASIO ABSORPSI AIR TABLET ODT DOMPERIDONE

Formula ODT Domperidone	Wb (mg)	Wa (mg)	Rasio	Rata-rata ± SD	KV
Batch 1	79,5	105,4	32,57		
	103,6	142,7	37,74	36,65	
	104,1	141,6	36,02	±	9,68
	102,9	138,8	34,88	3,55	
	101,0	143,5	42,04		
Batch 2	101,1	140,9	39,50		
	100,2	139,2	38,92	36,40	
	99,6	123,6	34,13	±	8,68
	100,3	138,0	37,31	3,16	
	96,4	127,4	32,15		
Batch 3	99,9	145,1	45,24		
	100,4	134,1	33,56	38,03	
	102,0	139,0	36,27	±	11,96
	102,1	138,5	35,65	4,55	
	101,9	142,1	39,45		

LAMPIRAN T

HASIL UJI PENETAPAN KADAR TABLET ODT DOMPERIDONE

Formula	Rep.	W sampel (mg)	Abs.	Csampel (µg/ml)	W Bahan Aktif (mg)	W tablet rata-rata (mg)	W Bahan Aktif (mg)	Kadar (%)	Rata-rata ± SD	KV (%)
Batch 1	I	100,4	0,241	7,67	9,59	97,25	9,29	92,9	92,97	2,26
	II	100,1	0,231	7,32	9,15	99,46	9,09	90,9	±	
	III	100,3	0,244	7,77	9,72	98,18	9,51	95,1	2,10	
Batch 2	I	100,3	0,248	7,92	9,9	94,85	9,36	93,6	92,37	1,42
	II	100,2	0,237	7,53	9,41	96,95	9,10	91,0	±	
	II	100,4	0,238	7,56	9,45	98,26	9,25	92,5	1,31	
Batch 3	I	100,4	0,241	7,67	9,58	96,94	9,25	92,5	92,20	0,33
	II	100,1	0,232	7,36	9,2	100,39	9,22	92,2	±	
	III	100,5	0,238	7,57	9,46	97,71	9,19	91,9	0,30	
Pembandin g 1	1	100,2	0,231	7,32	9,15	109,0	9,95	99,5	99,23	0,64
	2	100,8	0,234	7,42	9,28	108,3	9,97	99,7	±	
	3	100,5	0,229	7,25	9,06	109,3	9,85	98,5	0,64	
Pembandin g 2	1	100,6	0,236	7,49	9,37	104,0	9,69	96,9	98,87	1,81
	2	100,8	0,235	7,46	9,33	107,3	9,93	99,3	±	
	3	100,2	0,238	7,56	9,46	106,3	10,04	100,4	1,79	

Keterangan: Pembanding 1 = tablet generik domperidone

Pembanding 2 = ODT domperidone dengan nama dagang

LAMPIRAN U
HASIL UJI DISOLUSI ODT DOMPERIDONE

Hasil Uji Disolusi Batch 1

Rep.	t (menit)	Abs	C (µg/ml)	Wt (mg)	% obat terlepas	AUC (µg menit / ml)
I	1	0,125	3,63	3,27	35,16	1,64
	2	0,205	6,42	5,78	62,15	4,53
	4	0,234	7,43	6,69	71,94	12,47
	6	0,234	7,43	6,69	71,94	13,38
	8	0,261	8,37	7,53	80,96	14,22
	10	0,264	8,47	7,62	81,93	15,15
	15	0,260	8,33	7,50	80,64	37,8
	20	0,271	8,72	7,85	84,40	38,37
	25	0,263	8,44	7,60	81,70	38,63
	30	0,249	7,95	7,16	76,98	36,90
					Σ AUC	213,09
					% ED	76,38 %
II	1	0,135	3,98	3,58	38,49	1,99
	2	0,206	6,45	5,81	62,47	4,69
	4	0,235	7,46	6,71	72,15	12,52
	6	0,235	7,46	6,71	72,15	13,42
	8	0,260	8,33	7,50	80,64	14,21
	10	0,273	8,79	7,91	85,05	15,41
	15	0,260	8,33	7,50	80,64	38,53
	20	0,258	8,26	7,43	79,89	37,33
	25	0,270	8,68	7,81	83,97	38,1
	30	0,266	8,54	7,70	82,79	38,78
					Σ AUC	214,98
					% ED	77,05 %
III	1	0,133	3,91	3,52	37,85	1,76
	2	0,196	6,10	5,49	59,03	4,51
	4	0,220	6,94	6,25	67,20	11,74
	6	0,253	8,09	7,28	78,28	13,53
	8	0,269	8,65	7,79	83,76	15,07
	10	0,267	8,58	7,72	83,01	15,51
	15	0,271	8,72	7,85	84,41	38,93
	20	0,264	8,47	7,62	81,94	38,68
	25	0,267	8,58	7,72	83,01	38,35
	30	0,282	9,10	8,19	88,06	39,77
					Σ AUC	217,85
					% ED	78,08 %

Hasil Uji Disolusi Batch 2

Rep.	t (menit)	Abs	C (µg/ml)	Wt (mg)	% obat terlepas	AUC (µg menit / ml)
I	1	0,199	6,21	5,59	59,28	2,80
	2	0,210	6,59	5,93	62,88	5,76
	4	0,226	7,15	6,44	68,29	12,37
	6	0,236	7,50	6,75	71,58	13,19
	8	0,275	8,86	7,97	84,52	14,72
	10	0,266	8,54	7,69	81,55	15,66
	15	0,284	9,17	8,25	87,49	39,85
	20	0,281	9,07	8,16	86,53	41,03
	25	0,284	9,17	8,25	87,49	41,03
	30	0,264	8,47	7,62	80,81	39,68
					Σ AUC	226,09
					% ED	79,92 %
II	1	0,192	5,96	5,36	56,84	2,68
	2	0,214	6,73	6,06	64,26	5,71
	4	0,220	6,94	6,25	66,28	12,31
	6	0,227	7,18	6,46	68,50	12,71
	8	0,275	8,85	7,97	84,51	14,43
	10	0,282	9,10	8,19	86,85	16,16
	15	0,286	9,24	8,32	88,23	41,28
	20	0,284	9,17	8,25	87,49	41,43
	25	0,284	9,17	8,25	87,49	41,25
	30	0,276	8,89	8,00	84,83	40,63
					Σ AUC	228,59
					% ED	80,80 %
III	1	0,198	6,17	5,55	58,85	2,78
	2	0,216	6,80	6,12	64,89	5,84
	4	0,225	7,11	6,40	67,87	12,52
	6	0,232	7,36	6,62	70,20	13,02
	8	0,234	7,43	6,68	70,84	13,3
	10	0,279	8,99	8,09	85,79	14,77
	15	0,278	8,96	8,06	85,47	40,38
	20	0,282	9,10	8,19	86,85	40,63
	25	0,281	9,07	8,16	86,53	40,88
	30	0,280	9,03	8,13	86,21	40,73
					Σ AUC	224,85
					% ED	79,48 %

Hasil Uji Disolusi Batch 3

Rep.	t (menit)	Abs	C (µg/ml)	Wt (mg)	% obat terlepas	AUC (µg menit / ml)
I	1	0,150	4,50	4,05	43,88	2,03
	2	0,190	5,89	5,30	57,42	4,68
	4	0,237	7,53	6,78	73,46	12,08
	6	0,256	8,19	7,37	79,85	14,15
	8	0,271	8,72	7,85	85,05	15,22
	10	0,259	8,30	7,47	80,93	15,32
	15	0,278	8,96	8,06	87,32	38,83
	20	0,275	8,86	7,97	86,35	40,08
	25	0,271	8,72	7,85	85,05	39,55
	30	0,276	8,89	8,00	86,67	39,63
					Σ AUC	221,57
					% ED	80,01 %
II	1	0,153	4,61	4,15	44,96	2,08
	2	0,192	5,96	5,36	58,07	4,75
	4	0,255	8,16	7,34	79,52	12,7
	6	0,262	8,40	7,56	81,90	14,9
	8	0,282	9,10	8,19	88,73	15,75
	10	0,278	8,96	8,06	87,32	16,25
	15	0,284	9,17	8,25	89,38	40,78
	20	0,278	8,96	8,06	87,32	40,78
	25	0,269	8,65	7,79	84,39	39,63
	30	0,272	8,75	7,88	85,37	39,18
					Σ AUC	226,8
					% ED	81,90 %
III	1	0,229	4,74	4,27	46,26	2,14
	2	0,244	5,79	5,21	56,44	4,74
	4	0,251	7,29	6,56	71,07	11,77
	6	0,264	8,16	7,34	79,52	13,9
	8	0,261	8,68	7,81	84,61	15,15
	10	0,263	8,72	7,85	85,04	15,60
	15	0,263	8,89	8,00	86,67	39,63
	20	0,260	8,68	7,81	84,61	39,53
	25	0,262	8,58	7,72	83,64	38,83
	30	0,264	8,30	7,47	80,93	37,98
					Σ AUC	219,27
					% ED	79,18 %

Hasil Uji Disolusi Tablet Pembanding 1 (Obat Generik)

Rep.	t (menit)	Abs	C (µg/ml)	Wt (mg)	% obat terlepas	AUC (µg menit / ml)
I	1	0,058	1,29	1,17	11,79	0,58
	2	0,139	4,12	3,71	37,40	0,24
	4	0,202	6,31	5,68	57,26	9,39
	6	0,201	6,28	5,65	56,96	11,33
	8	0,226	7,15	6,43	64,82	12,08
	10	0,294	9,52	8,57	86,39	15,00
	15	0,238	7,57	6,81	68,65	38,45
	20	0,246	7,85	7,06	71,17	34,68
	25	0,246	7,85	7,06	71,17	35,31
	30	0,248	7,92	7,12	71,77	35,47
					Σ AUC	194,72
					% ED	65,43
II	1	0,053	1,12	1,01	10,18	0,50
	2	0,119	3,42	3,08	31,05	2,04
	4	0,184	5,69	5,12	51,61	8,20
	6	0,228	7,22	6,50	65,52	11,61
	8	0,214	6,73	6,06	61,09	12,56
	10	0,265	8,51	7,66	77,22	13,72
	15	0,228	7,22	6,50	65,52	35,39
	20	0,251	8,02	7,22	72,78	34,29
	25	0,250	7,99	7,19	72,48	36,01
	30	0,258	8,26	7,44	75,0	36,56
					Σ AUC	190,88
					% ED	64,14
III	1	0,057	1,26	1,13	11,39	0,57
	2	0,125	3,63	3,27	32,96	2,20
	4	0,209	6,56	5,90	59,48	9,17
	6	0,221	6,98	6,28	63,31	12,18
	8	0,224	7,08	6,37	64,21	12,65
	10	0,219	6,91	6,21	62,60	12,59
	15	0,248	7,92	7,12	71,77	33,35
	20	0,259	8,30	7,47	75,30	36,48
	25	0,251	8,02	7,22	72,78	36,72
	30	0,244	7,78	7,00	70,56	35,54
					Σ AUC	191,45
					% ED	64,33

Hasil Uji Disolusi Tablet Pembanding 2 (Obat dengan Nama Dagang)

Rep.	t (menit)	Abs	C (µg/ml)	Wt (mg)	% obat terlepas	AUC (µg menit / ml)
I	1	0,079	2,03	1,82	18,40	0,91
	2	0,124	3,59	3,24	32,76	2,53
	4	0,168	5,13	4,62	46,71	7,85
	6	0,228	7,22	6,50	65,72	11,11
	8	0,205	6,42	5,78	58,44	12,27
	10	0,206	6,45	5,81	58,75	11,58
	15	0,230	7,29	6,56	66,33	30,92
	20	0,230	7,29	6,56	66,33	32,80
	25	0,232	7,36	6,62	66,94	32,96
	30	0,244	7,78	7,00	70,78	34,05
					Σ AUC	176,99
					% ED	59,11
II	1	0,077	1,96	1,76	17,80	0,88
	2	0,144	4,29	3,86	39,03	2,81
	4	0,171	5,23	4,71	47,62	8,57
	6	0,198	6,17	5,56	56,22	10,27
	8	0,217	6,84	6,15	62,18	11,71
	10	0,226	7,15	6,43	65,02	12,59
	15	0,232	7,36	6,62	66,94	32,64
	20	0,241	7,67	6,90	69,77	33,82
	25	0,225	7,11	6,40	64,71	33,27
	30	0,237	7,53	6,78	68,55	32,96
					Σ AUC	179,51
					% ED	60,50
III	1	0,076	1,92	1,73	17,49	0,86
	2	0,121	3,49	3,14	31,75	2,44
	4	0,188	5,83	5,24	52,98	8,38
	6	0,210	6,59	5,93	59,96	11,18
	8	0,216	6,80	6,12	61,88	12,05
	10	0,219	6,91	6,21	62,79	12,34
	15	0,226	7,15	6,43	65,01	31,62
	20	0,238	7,57	6,81	68,86	33,11
	25	0,231	7,32	6,59	66,63	33,51
	30	0,242	7,71	6,94	70,17	33,82
					Σ AUC	179,31
					% ED	60,43

LAMPIRAN V
HASIL UJI STABILITAS TABLET KO-PROSES OPTIMUM

Hasil Uji Stabilitas Kekerasan Tablet Ko-proes Optimum

No	Kekerasan Tablet Ko-proses Optimum (Kp)		
	Batch 1	Batch 2	Batch 3
1	2,1	2,0	2,1
2	2,3	2,4	2,3
3	2,4	2,0	2,5
4	2,4	2,3	2,5
5	2,2	2,2	2,3
6	2,1	2,3	2,2
7	2,3	2,2	2,6
8	2,4	2,4	2,2
9	2,2	2,3	2,3
10	2,1	2,3	2,1
Rata-rata	2,25	2,24	2,31
\pm SD	0,13	0,14	0,17
KV	5,78	6,25	7,36

Hasil Uji Stabilitas Kerapuhan Tablet Ko-proses Optimum

Formula Optimum	Replikasi	Berat awal (gram)	Berat akhir (gram)	Kerapuhan (%)	Rata-rata \pm SD	KV
Batch 1	I	1,8965	1,8826	0.73	0,73 \pm 0,007	0,96
Batch 2	I	1,8390	1,8256	0.73		
Batch 3	I	1,9214	1,9076	0.72		

Hasil Uji Stabilitas Waktu Hancur Tablet Ko-proses Optimum

No	Waktu Hancur Tablet Ko-proses Optimum (detik)		
	Batch 1	Batch 2	Batch 3
1	96	96	95
2	95	95	96
3	95	95	96
4	96	96	96
5	96	95	95
Rata-rata	95,60	95,40	95,60
\pm SD	0,55	0,55	0,56
KV	0,58	0,58	0,59

Hasil Uji Stabilitas Waktu Pembasahan Tablet Ko-proses Optimum

No	Waktu Pembasahan Tablet Ko-proses Optimum (detik)		
	Batch 1	Batch 2	Batch 3
1	157	160	160
2	163	159	167
3	163	161	158
4	159	161	160
5	161	157	166
Rata-rata	160,60	159,60	162,20
\pm SD	2,61	1,67	4,02
KV	1,62	1,05	2,48

Hasil Uji Stabilitas Rasio Absorpsi Air Tablet Ko-proses Optimum

Formula Optimum	Wb (mg)	Wa (mg)	Rasio	Rata-rata ± SD	KV
Batch 1	97,0	134,6	38,76	40,60 ± 5,28	13,00
	92,8	126,0	35,77		
	93,9	128,4	36,74		
	98,2	140,6	43,17		
	93,7	139,2	48,55		
Batch 2	78,2	108,1	38,23	36,13 ± 3,77	10,43
	82,6	115,8	40,19		
	83,9	109,4	30,75		
	89,4	119,7	33,89		
	89,1	122,6	37,59		
Batch 3	93,5	130,3	39,35	40,30 ± 3,15	7,82
	95,8	129,8	35,49		
	94,0	133,9	42,44		
	99,8	140,3	40,58		
	96,5	138,6	43,62		

LAMPIRAN W
HASIL UJI STABILITAS TABLET ODT DOMPERIDONE

Hasil Uji Stabilitas Kekerasan Tablet ODT Domperidone

No	Kekerasan Tablet ODT D0mperidone (Kp)		
	Batch 1	Batch 2	Batch 3
1	2,3	2,4	2,1
2	2,5	2,6	2,3
3	2,3	2,4	2,4
4	2,4	2,6	2,8
5	2,5	2,6	2,5
6	2,6	2,3	2,4
7	2,3	2,4	2,7
8	2,1	2,3	2,5
9	2,2	2,4	2,1
10	2,3	2,0	2,5
Rata-rata	2,35	2,40	2,43
± SD	0,15	0,18	0,23
KV	6,38	7,5	9,47

Hasil Uji Stabilitas Kerapuhan Tablet ODT Domperidone

Formula ODT Domperidone	Replikasi	Berat awal (gram)	Berat akhir (gram)	Kerapuhan (%)	Rata-rata ± SD	KV
Batch 1	I	2,0153	2,0006	0,73	0,73 ± 0,002	0,27
Batch 2	I	2,0065	1,9918	0,73		
Batch 3	I	2,0019	1,9873	0,73		

Hasil Uji Stabilitas Waktu Hancur Tablet ODT Domperidone

No	Waktu Hancur Tablet ODT Domperidone (detik)		
	Batch 1	Batch 2	Batch 3
1	99	99	100
2	103	102	99
3	99	98	101
4	98	103	98
5	99	99	99
Rata-rata	99,60	100,20	99,40
± SD	1,95	2,17	1,14
KV	1,95	2,16	1,14

Hasil Uji Stabilitas Waktu Pembasahan Tablet ODT Domperidone

No	Waktu Pembasahan Tablet ODT Domperidone (detik)		
	Batch 1	Batch 2	Batch 3
1	177	183	178
2	173	175	180
3	192	178	179
4	179	176	176
5	175	179	181
Rata-rata	179,2	178,20	178,80
± SD	7,50	3,11	1,92
KV	4,19	1,75	1,07

Hasil Uji Stabilitas Rasio Absorpsi Air Tablet ODT Domperidone

Formula ODT Domperidone	Wb (mg)	Wa (mg)	Rasio	Rata-rata ± SD	KV
Batch 1	104,2	144,2	38,38	37,62 ± 1,09	2,89
	102,1	140,3	37,01		
	98,0	135,1	37,85		
	81,2	110,5	36,08		
	100,5	139,5	38,80		
Batch 2	99,2	137,0	38,1	37,58 ± 0,57	1,52
	99,2	135,8	36,89		
	99,8	137,5	37,77		
	103,3	136,3	38,09		
	98,7	141,6	37,07		
Batch 3	103,1	143,2	38,89	37,65 ± 1,05	2,79
	100,1	136,2	36,06		
	101,8	140,1	37,72		
	100,1	138,3	38,16		
	99,7	137,0	37,41		

LAMPIRAN X

CONTOH PERHITUNGAN

Contoh perhitungan Indeks kompresibilitas :

Formula optimum ko-proses 1 replikasi 1

Berat gelas ukur : 127,23 g (W_1)

Berat gelas ukur + isi : 162,44 g (W_2)

Berat granul dalam gelas ukur : 35,21 g

V sebelum tapped (V_1) = 100ml, V sesudah tapped (V_2) = 82 ml

$$\text{Bobot jenis nyata} = \frac{W_2 - W_1}{V_1 (ml)} = \frac{35,21}{100} = 0,3521$$

$$\text{Bobot jenis mampat} = \frac{W_2 - W_1}{V_2 (ml)} = \frac{35,21}{82} = 0,4293$$

$$\% \text{ kompresibilitas} = \left(1 - \frac{\text{bobot jenis nyata}}{\text{bobot jenis mampat}} \right) \times 100\% = \left(1 - \frac{0,3521}{0,4293} \right) \times$$

$$100\% = 17,98\%$$

$$HR = \frac{\rho_{tap}}{\rho_{bulk}} = \frac{0,4293}{0,3521} = 1,21$$

Contoh hasil perhitungan akurasi presisi:

Replikasi I

Kons.	Massa (mg)	Abs	Kons ($\mu\text{g/ml}$)	Teoritis ($\mu\text{g/ml}$)	Perolehan kembali (%)
100%	100,4	0,249	7,95	8,035	98,94

$$\text{Absorbansi} = 0,249 \rightarrow y = 0,0208 + 0,028x$$

$$\text{Konsentrasi sample (x)} = 7,95$$

$$\text{Berat domperidone} = 100,4 \text{ mg}$$

$$W \text{ matrix} = 903,2 \text{ mg}$$

$$W \text{ sample} = 100,4 \text{ mg}$$

Konsentrasi teoritis:

$$10,04 \text{ (dalam 250ml HCl } 0,1\text{N)} = (40,17 \text{ ppm} \times 2 \text{ (dipipet)}) / 10(\text{ad}) = 8,035 \text{ ppm}$$

$$\% \text{ perolehan kembali} = (\text{konsentrasi sample} / \text{konsentrasi teoritis}) \times 100\%$$

$$= (7,95 / 8,035) \times 100 = 98,94\%$$

$$\% \text{ KV} = (\text{SD} / X_{\text{rata-rata}}) \times 100 = (0,88 / 99,72) \times 100\% = 0,88$$

Contoh perhitungan penetapan kadar :

Batch 1 replikasi 1

Formula	Rep.	W sampel (mg)	Abs.	Csampel (µg/ml)	W Bahan Aktif (mg)	W tablet rata-rata (mg)	W Bahan Aktif (mg)	Kadar (%)
Batch 1	I	100,4	0,241	7,67	9,59	97,25	9,29	92,97

$$\text{Absorbansi} = 0,241 \rightarrow y = 0,0208 + 0,028x$$

$$\text{Konsentrasi sampel (x)} = 7,67 \text{ ppm}$$

$$\text{Konsentrasi pengamatan} = 7,67 \text{ ppm} \times 5(\text{FP}) \times (250 \text{ ml}/1000) = 9,59 \text{ mg}$$

$$\text{Berat tablet rata-rata} = 97,25 \text{ mg}$$

$$\text{Berat sampel} = 100,4 \text{ mg}$$

$$\text{Berat Domperidone} = 97,25/100,4 \times 9,59 \text{ mg} = 9,29 \text{ mg}$$

$$\% \text{ Perolehan kembali} = (9,29 \text{ mg} / 10 \text{ mg}) \times 100\% = 92,97 \%$$

$$\text{KV} = (\text{SD} / X_{\text{rata-rata}}) \times 100\% = (2,10 / 92,97) \times 100\% = 2,26 \%$$

Contoh perhitungan % obat terlepas:

Batch 1 replikasi 1 t = 30menit

Absorbansi = 0,249 $\rightarrow y = 0,0208 + 0,028x$

$C_{\text{sampel}} = 7,95 \text{ ppm}$

W pada PK = 9,3 mg

$W_t = 7,95 \text{ ppm} \times 0,9 \text{ L} = 7,16 \text{ mg}$

$\% \text{ obat terlepas} = (7,16 \text{ mg} / 9,3 \text{ mg}) \times 100 = 76,98 \%$

Contoh perhitungan AUC pada menit 30

$t_{n-1} = 25$

$t_n = 30$

$W_{t_n} = 7,16 \text{ mg}$

$W_{t_{n-1}} = 7,60 \text{ mg}$


$AUC = ((7,16 + 7,60) / 2) \times (30 - 25) = 36,9 \text{ } \mu\text{g menit/ml}$

$\%ED = (\sum AUC / L. \text{ persegi}) \times 100 = (213,09 / (30\text{menit} \times 9,3\text{mg})) \times 100\%$
 $= 76,38\%$

LAMPIRAN Y

SERTIFIKAT BAHAN


DOMPERIDONE



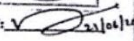
 <small>VASUDHA PHARMA CHEM, LTD</small>	VASUDHA PHARMA CHEM LIMITED 78/A, VENGAL RAO NAGAR, HYDERABAD-38 ANDHRA PRADESH, INDIA PHONE: +91-40-2381 2046, 2371 1717, FAX: 91-40-2381 1576 E-MAIL: vasudha@vasudhapharma.com , Website: www.vasudhapharma.com		
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Name of the product	: DOMPERIDONE	Page No.	: 2 of 2
Batch Number	: BDOM/1106090	A.R.No	: BDOM/11090
Manufacturing Date	: JUN 2011	Expiry Date	: MAY 2016
Dispatch Quantity	: 30.0 Kg.	Analyzed on	: 18/06/2011
Customer Name/ code	: PT Tatorama		

S.No	TEST	RESULT	SPECIFICATION
3.2	Heavy metals (ppm)	Less than 20	Not more than 20
3.3	Loss on drying(% w/w)	0.34	Not more than 0.5
3.4	Sulphated Ash(% w/w)	0.06	Not more than 0.1
3.5	Assay (By titrimetry, % w/w, on dried basis)	99.53	Not less than 99.0 and Not more than 101.0
3.6	Related substances (By HPLC, %)		
	Impurity-A	0.06	Not more than 0.25
	Impurity-B	Not detected	Not more than 0.25
	Impurity-C	Not detected	Not more than 0.25
	Impurity-D	0.14	Not more than 0.25
	Impurity-E	Not detected	Not more than 0.25
	Impurity-F	Not detected	Not more than 0.25
	Unspecified impurities	Not detected	Not more than 0.10
	Total impurity	0.19	Not more than 0.50

REMARKS: The material complies as per the BP specification.


QUALITY MANAGER

PREPARED BY:  <small>21/06/2011</small>	CHECKED BY:  <small>21/06/2011</small>	APPROVED BY:  <small>21/06/2011</small>
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Watches

M/s. VASUDHA PHARMA CHEM LIMITED, Unit-II, Plot No. 79, J.N. Pharma City, Thaneem Village, Paravada Mandalam, Vinukhapattanam - 531 021, Andhra Pradesh, India.

CROSPROVIDONE



Certificate of Analysis
BASF South East Asia Pte Ltd

Please note that the certificates of analysis are also conveniently available online and around the clock at www.worldaccount.basf.com

Fax No 00626452306

PT MEGASETIA AGUNG KIMIA
NO.7-10 RT.014 RW.013 SUNTER AGUNG
14350 TANJUNG PRIOK JAKARTA UTARA
Indonesia

2012-12-18
Fr. Dr. rer. nat. Anna Pfeiler
anna.pfeiler@basf.com
+49 621 60-52890
Certificate No 1027
Page 1 of 3

Certificate of Analysis according to DIN 55350-18-4.2.2

Kollidon® CL / Croscollon

40KG PE-Drum, removable head
Purchase Order/Customer Product#
585/11/2012
00000000050000695

Material 50000695
Order 6000594673 000010
Delivery 6200570755 000010
Lot 48684347G0
Lot/Qty 2000.000 KG
Total 2000.000 KG
Transport PCIU856900

Test Parameter	Requirements	UoM	Results
Identification (IR)	must conform		conforms
Peroxides	Max.: 400	mg/kg	69
pH-value (1 % suspension in water)	Min.: 5.0 Max.: 8.0		5.7
Water soluble substances	Max.: 1.5	g/100g	0.2
Water soluble substances (JPE)	must conform (max. 75 mg Residue)		conforms
N-Vinylpyrrolidone (GC)	Max.: 10	mg/kg	<2
Arsenic *	must conform (max.: 2 mg/kg)		conforms
Heavy metals *	must conform (max.: 10 mg/kg)		conforms
Loss on drying	Max.: 5.0	g/100g	1.9
Water	Max.: 5.0	g/100g	2.6
Residue on ignition *	must conform (max.: 9.1 g/100g)		conforms

The aforementioned data shall constitute the agreed contractual quality of the product at the time of placing of risk. The data are controlled at regular intervals as part of our quality assurance program. Neither these data nor the properties of product specimens shall imply any legally binding guarantee of certain properties or of fitness for a specific purpose. No liability of ours can be derived therefrom.

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MANITOL

DUPLICATE



LC 1 EEJ5 CERTIFICATE OF ANALYSIS / COMPLIANCE

PAGE 1

PT SIGNA HUSADA
JALAN DAAN MOGOT KM 17
JAKARTA 11840
INDONESIA

PEARLITOL 160 C

CUSTOMER.... SIGNA HUSADA/INDONES

450001 D

INVOICE..... PPY60E1
TONNAGE..... 13.000 KG
CONTRACT..... F92365G
ORDER..... RQF-15/12
BATCH..... B664R
MANUF&TESTED 15 MARCH 2012

EXPIRY DATE.

15 MAR 2017

E.P./U.S.P.



DESCRIPTION

WHITE CRYSTALLINE POWDER
ODOURLESS, SWEET TASTE

MEANING TESTED = ANALYZED
MONITORED = MONITORING PLAN
GUARANTEED = COMPLIANCE DATA

APPEARANCE		CONFORM	TESTED
APPEARANCE IN SOLUTION		CONFORM	TESTED
LOSS ON DRYING	%	0,08	TESTED
INFRA-RED		CONFORM	TESTED
MELTING POINT	DEG	166	TESTED
START OF MELTING	DEG	166	TESTED
END OF MELTING	DEG	167	TESTED
SPECIFIC ROTATION(BORATE)	DEG.	+ 23,5	TESTED
SPECIFIC ROT.MOLYBDATE	DEG	+ 140,1	TESTED
CONDUCTIVITY	MICROS/C	0,8	TESTED
REDUCING SUGARS	*(USP)	CONFORM	TESTED
D-MANNITOL BY HPLC	%	99,1	TESTED

PVP K-30

PVP K-30:

杭州南杭化工有限公司
NANHANG INDUSTRIAL CO., LTD
地址:中国杭州市西湖区周浦乡姚家坞

CERTIFICATE OF ANALYSIS

Product	PVP K-30 USP/BP		
Batch No.	20051213	Quantity	2025KGS
Manufacture Date	DEC.,2005	Expiry Date	DEC.,2008
ITEMS	SPECIFICATIONS	TEST RESULTS	
Characteristics	A white, fine powder	Complies	
Identification	Positive	Positive	
Water	5% max	2.8%	
Residue on ignition	0.1% max	0.02%	
K-Value	27-32	30.7	
Heavy metals(Lead)	10ppm max	Complies	
Nitrogen	11.5%-12.8%	12.2%	
Vinylpyrrolidone	0.2% max	0.032%	
Aldehydes	0.05% max	Complies	
Ph Value	3.0-7.0	3.62	
Hydrazine	1ppm max	Complies	
Peroxides	400ppm max	Complies	
Microbial Limits(By annual verification test)	Salmonalla	Negative	
	Coli	Negative	
	Coliforms <1CFU/gm	Conform	
	Standard Plate Count<10,000CFU/gm	Conform	
	Mold & Yeast <1,000 CFU/gm	Conform	
Conclusion: IT CONFORMS USP/BP			

Analyst: Wang liu ling

Checker: li ling

Head of Q.C Dept Yang xiao fang



LAMPIRAN Z

TABEL F

Titik Persentase Distribusi F untuk Probabilita = 0,05

df untuk penyebut (N2)	df untuk pembilang (N1)														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	161	199	216	225	230	234	237	239	241	242	243	244	245	245	246
2	18.51	19.00	19.16	19.25	19.30	19.33	19.35	19.37	19.38	19.40	19.40	19.41	19.42	19.42	19.43
3	10.13	9.55	9.28	9.12	9.01	8.94	8.89	8.85	8.81	8.79	8.76	8.74	8.73	8.71	8.70
4	7.71	6.94	6.59	6.39	6.26	6.16	6.09	6.04	6.00	5.96	5.94	5.91	5.89	5.87	5.86
5	6.61	5.79	5.41	5.19	5.05	4.95	4.88	4.82	4.77	4.74	4.70	4.68	4.66	4.64	4.62
6	5.99	5.14	4.76	4.53	4.39	4.28	4.21	4.15	4.10	4.06	4.03	4.00	3.98	3.96	3.94
7	5.59	4.74	4.35	4.12	3.97	3.87	3.79	3.73	3.68	3.64	3.60	3.57	3.55	3.53	3.51
8	5.32	4.46	4.07	3.84	3.69	3.58	3.50	3.44	3.39	3.35	3.31	3.28	3.26	3.24	3.22
9	5.12	4.26	3.86	3.63	3.48	3.37	3.29	3.23	3.18	3.14	3.10	3.07	3.05	3.03	3.01
10	4.96	4.10	3.71	3.48	3.33	3.22	3.14	3.07	3.02	2.98	2.94	2.91	2.89	2.86	2.85
11	4.84	3.98	3.59	3.36	3.20	3.09	3.01	2.95	2.90	2.85	2.82	2.79	2.76	2.74	2.72
12	4.75	3.89	3.49	3.26	3.11	3.00	2.91	2.85	2.80	2.75	2.72	2.69	2.66	2.64	2.62
13	4.67	3.81	3.41	3.18	3.03	2.92	2.83	2.77	2.71	2.67	2.63	2.60	2.58	2.55	2.53
14	4.60	3.74	3.34	3.11	2.96	2.85	2.76	2.70	2.65	2.60	2.57	2.53	2.51	2.48	2.46
15	4.54	3.68	3.29	3.06	2.90	2.79	2.71	2.64	2.59	2.54	2.51	2.48	2.45	2.42	2.40
16	4.49	3.63	3.24	3.01	2.85	2.74	2.66	2.59	2.54	2.49	2.46	2.42	2.40	2.37	2.35
17	4.45	3.59	3.20	2.96	2.81	2.70	2.61	2.55	2.49	2.45	2.41	2.38	2.35	2.33	2.31
18	4.41	3.55	3.16	2.93	2.77	2.66	2.58	2.51	2.46	2.41	2.37	2.34	2.31	2.29	2.27
19	4.38	3.52	3.13	2.90	2.74	2.63	2.54	2.48	2.42	2.38	2.34	2.31	2.28	2.26	2.23
20	4.35	3.49	3.10	2.87	2.71	2.60	2.51	2.45	2.39	2.35	2.31	2.28	2.25	2.22	2.20
21	4.32	3.47	3.07	2.84	2.68	2.57	2.49	2.42	2.37	2.32	2.28	2.25	2.22	2.20	2.18
22	4.30	3.44	3.05	2.82	2.66	2.55	2.46	2.40	2.34	2.30	2.26	2.23	2.20	2.17	2.15
23	4.28	3.42	3.03	2.80	2.64	2.53	2.44	2.37	2.32	2.27	2.24	2.20	2.18	2.15	2.13
24	4.26	3.40	3.01	2.78	2.62	2.51	2.42	2.36	2.30	2.25	2.22	2.18	2.15	2.13	2.11
25	4.24	3.39	2.99	2.76	2.60	2.49	2.40	2.34	2.28	2.24	2.20	2.16	2.14	2.11	2.09
26	4.23	3.37	2.98	2.74	2.59	2.47	2.39	2.32	2.27	2.22	2.18	2.15	2.12	2.09	2.07
27	4.21	3.35	2.96	2.73	2.57	2.46	2.37	2.31	2.25	2.20	2.17	2.13	2.10	2.08	2.06
28	4.20	3.34	2.95	2.71	2.56	2.45	2.36	2.29	2.24	2.19	2.15	2.12	2.09	2.06	2.04
29	4.18	3.33	2.93	2.70	2.55	2.43	2.35	2.28	2.22	2.18	2.14	2.10	2.08	2.05	2.03
30	4.17	3.32	2.92	2.69	2.53	2.42	2.33	2.27	2.21	2.16	2.13	2.09	2.06	2.04	2.01
31	4.16	3.30	2.91	2.68	2.52	2.41	2.32	2.25	2.20	2.15	2.11	2.08	2.05	2.03	2.00
32	4.15	3.29	2.90	2.67	2.51	2.40	2.31	2.24	2.19	2.14	2.10	2.07	2.04	2.01	1.99
33	4.14	3.28	2.89	2.66	2.50	2.39	2.30	2.23	2.18	2.13	2.09	2.06	2.03	2.00	1.98
34	4.13	3.28	2.88	2.65	2.49	2.38	2.29	2.23	2.17	2.12	2.08	2.05	2.02	1.99	1.97
35	4.12	3.27	2.87	2.64	2.49	2.37	2.29	2.22	2.16	2.11	2.07	2.04	2.01	1.99	1.96
36	4.11	3.26	2.87	2.63	2.48	2.36	2.28	2.21	2.15	2.11	2.07	2.03	2.00	1.98	1.95
37	4.11	3.25	2.86	2.63	2.47	2.36	2.27	2.20	2.14	2.10	2.06	2.02	2.00	1.97	1.95
38	4.10	3.24	2.85	2.62	2.46	2.35	2.26	2.19	2.14	2.09	2.05	2.02	1.99	1.96	1.94
39	4.09	3.24	2.85	2.61	2.46	2.34	2.26	2.19	2.13	2.08	2.04	2.01	1.98	1.95	1.93
40	4.08	3.23	2.84	2.61	2.45	2.34	2.25	2.18	2.12	2.08	2.04	2.00	1.97	1.95	1.92
41	4.08	3.23	2.83	2.60	2.44	2.33	2.24	2.17	2.12	2.07	2.03	2.00	1.97	1.94	1.92
42	4.07	3.22	2.83	2.59	2.44	2.32	2.24	2.17	2.11	2.06	2.03	1.99	1.96	1.94	1.91
43	4.07	3.21	2.82	2.59	2.43	2.32	2.23	2.16	2.11	2.06	2.02	1.99	1.96	1.93	1.91
44	4.06	3.21	2.82	2.58	2.43	2.31	2.23	2.16	2.10	2.05	2.01	1.98	1.95	1.92	1.90
45	4.06	3.20	2.81	2.58	2.42	2.31	2.22	2.15	2.10	2.05	2.01	1.97	1.94	1.92	1.89

LAMPIRAN AA

TABEL r

n	Taraf Signifikan		n	Taraf Signifikan		n	Taraf Signifikan	
	5%	1%		5%	1%		5%	1%
3	0,997	0,999	27	0,381	0,487	55	0,266	0,345
4	0,950	0,990	28	0,374	0,478	60	0,254	0,330
5	0,878	0,959	29	0,367	0,470	65	0,244	0,317
6	0,811	0,917	30	0,361	0,463	70	0,235	0,306
7	0,754	0,874	31	0,355	0,456	75	0,227	0,296
8	0,707	0,834	32	0,349	0,449	80	0,220	0,286
9	0,666	0,798	33	0,344	0,442	85	0,213	0,278
10	0,632	0,765	34	0,339	0,436	90	0,207	0,270
11	0,602	0,735	35	0,334	0,430	95	0,202	0,263
12	0,576	0,708	36	0,329	0,424	10	0,195	0,256
13	0,553	0,684	37	0,325	0,418	12	0,176	0,230
14	0,532	0,661	38	0,320	0,413	15	0,159	0,210
15	0,514	0,641	39	0,316	0,408	17	0,148	0,194
16	0,497	0,623	40	0,312	0,403	20	0,138	0,181
17	0,482	0,606	41	0,308	0,398	30	0,113	0,148
18	0,468	0,590	42	0,304	0,393	40	0,098	0,128
19	0,456	0,575	43	0,301	0,389	50	0,088	0,115
20	0,444	0,561	44	0,297	0,384	60	0,080	0,105
21	0,433	0,549	45	0,294	0,380	700	0,074	0,097
22	0,423	0,537	46	0,291	0,376	800	0,070	0,091
23	0,413	0,526	47	0,288	0,372	900	0,065	0,086
24	0,404	0,515	48	0,284	0,368	1000	0,062	0,081
25	0,396	0,505	49	0,281	0,364			
26	0,388	0,496	50	0,279	0,361			

LAMPIRAN AB

TABEL T

t Table

cum. prob one-tail two-tails	t _{.50}	t _{.75}	t _{.80}	t _{.85}	t _{.90}	t _{.95}	t _{.975}	t _{.99}	t _{.995}	t _{.999}	t _{.9995}
	1.00	0.50	0.40	0.30	0.20	0.10	0.05	0.02	0.01	0.002	0.0005
df											
1	0.000	1.000	1.376	1.963	3.078	6.314	12.71	31.82	63.66	318.31	636.62
2	0.000	0.816	1.061	1.386	1.886	2.920	4.303	6.965	9.925	22.327	31.599
3	0.000	0.765	0.978	1.250	1.638	2.353	3.182	4.541	5.841	10.215	12.924
4	0.000	0.741	0.941	1.190	1.533	2.132	2.776	3.747	4.604	7.173	8.610
5	0.000	0.727	0.920	1.156	1.476	2.015	2.571	3.365	4.032	5.893	6.869
6	0.000	0.718	0.906	1.134	1.440	1.943	2.447	3.143	3.707	5.208	5.959
7	0.000	0.711	0.896	1.119	1.415	1.895	2.365	2.998	3.499	4.785	5.408
8	0.000	0.706	0.889	1.108	1.397	1.860	2.306	2.896	3.355	4.501	5.041
9	0.000	0.703	0.883	1.100	1.383	1.833	2.262	2.821	3.250	4.297	4.781
10	0.000	0.700	0.879	1.093	1.372	1.812	2.228	2.784	3.169	4.144	4.587
11	0.000	0.697	0.876	1.088	1.363	1.796	2.201	2.718	3.106	4.025	4.437
12	0.000	0.695	0.873	1.083	1.356	1.782	2.179	2.681	3.055	3.930	4.318
13	0.000	0.694	0.870	1.079	1.350	1.771	2.160	2.650	3.012	3.852	4.221
14	0.000	0.692	0.868	1.076	1.345	1.761	2.145	2.624	2.977	3.787	4.140
15	0.000	0.691	0.866	1.074	1.341	1.753	2.131	2.602	2.947	3.733	4.073
16	0.000	0.690	0.865	1.071	1.337	1.746	2.120	2.583	2.921	3.686	4.015
17	0.000	0.689	0.863	1.069	1.333	1.740	2.110	2.567	2.898	3.646	3.965
18	0.000	0.688	0.862	1.067	1.330	1.734	2.101	2.552	2.878	3.610	3.922
19	0.000	0.688	0.861	1.066	1.328	1.729	2.093	2.539	2.861	3.579	3.883
20	0.000	0.687	0.860	1.064	1.325	1.725	2.086	2.528	2.845	3.552	3.850
21	0.000	0.686	0.859	1.063	1.323	1.721	2.080	2.518	2.831	3.527	3.819
22	0.000	0.686	0.858	1.061	1.321	1.717	2.074	2.508	2.819	3.505	3.792
23	0.000	0.685	0.858	1.060	1.319	1.714	2.069	2.500	2.807	3.485	3.768
24	0.000	0.685	0.857	1.059	1.318	1.711	2.064	2.492	2.797	3.467	3.745
25	0.000	0.684	0.856	1.058	1.316	1.708	2.060	2.485	2.787	3.450	3.725
26	0.000	0.684	0.856	1.058	1.315	1.706	2.056	2.479	2.779	3.435	3.707
27	0.000	0.684	0.855	1.057	1.314	1.703	2.052	2.473	2.771	3.421	3.690
28	0.000	0.683	0.855	1.056	1.313	1.701	2.048	2.467	2.763	3.408	3.674
29	0.000	0.683	0.854	1.055	1.311	1.699	2.045	2.462	2.756	3.396	3.659
30	0.000	0.683	0.854	1.055	1.310	1.697	2.042	2.457	2.750	3.385	3.646
40	0.000	0.681	0.851	1.050	1.303	1.684	2.021	2.423	2.704	3.307	3.551
60	0.000	0.679	0.848	1.045	1.296	1.671	2.000	2.390	2.660	3.232	3.460
80	0.000	0.678	0.846	1.043	1.292	1.664	1.990	2.374	2.639	3.195	3.416
100	0.000	0.677	0.845	1.042	1.290	1.660	1.984	2.364	2.626	3.174	3.390
1000	0.000	0.675	0.842	1.037	1.282	1.646	1.962	2.330	2.581	3.098	3.300
Z	0.000	0.674	0.842	1.036	1.282	1.645	1.960	2.326	2.576	3.090	3.291
	0%	50%	60%	70%	80%	90%	95%	98%	99%	99.8%	99.9%
	Confidence Level										

LAMPIRAN AC

HASIL UJI STATISTIK *CARR'S INDEX* GRANUL KO-PROSES

ANTAR FORMULA

(*One Way Anova*)

Descriptives

Carrs index

					95% Confidence Interval			
					for Mean			
					Lower	Upper		
	N	Mean	Std. Deviation	Std. Error	Bound Lower	Bound Upper	Minimum	Maximum
F1	3	12,2933	1,12962	,65218	9,4872	15,0995	10,99	12,99
F2	3	12,3133	,57735	,33333	10,8791	13,7476	11,98	12,98
F3	3	16,6400	1,51248	,87323	12,8828	20,3972	14,98	17,94
F4	3	20,6600	,58026	,33501	19,2186	22,1014	19,99	21,00
F5	3	15,6867	2,52082	1,45540	9,4246	21,9487	13,00	18,00
F6	3	17,3333	2,51661	1,45297	11,0817	23,5849	15,00	20,00
F7	3	18,3333	2,88675	1,66667	11,1622	25,5044	15,00	20,00
F8	3	19,3333	1,15470	,66667	16,4649	22,2018	18,00	20,00
Total	24	16,5742	3,28982	,67153	15,1850	17,9633	10,99	21,00

Test of Homogeneity of Variances

Carrs index

Levene Statistic	df1	df2	Sig.
2,166	7	16	,095

ANOVA

Carrs index

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	195,751	7	27,964	8,414	,000
Within Groups	53,176	16	3,324		
Total	248,927	23			

Keterangan :

$F_{hitung} (8,414) > F_{tabel (0,05) (7,16)} (2,66)$, maka H_0 ditolak dan ada perbedaan bermakna antar formula. Rata-rata *Carr's index* granul ko-proses dari kedelapan formula menunjukkan adanya perbedaan yang signifikan antar formula.

Multiple Comparisons

Carrs index

Tukey HSD

(I) Formula	(J) Formula	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
F1	F2	-,02000	1,48852	1,000	-5,1735	5,1335
	F3	-4,34667	1,48852	,133	-9,5001	,8068
	F4	-8,36667*	1,48852	,001	-13,5201	-3,2132
	F5	-3,39333	1,48852	,360	-8,5468	1,7601
	F6	-5,04000	1,48852	,058	-10,1935	,1135
	F7	-6,04000*	1,48852	,016	-11,1935	-,8865
	F8	-7,04000*	1,48852	,004	-12,1935	-1,8865
F2	F1	,02000	1,48852	1,000	-5,1335	5,1735
	F3	-4,32667	1,48852	,136	-9,4801	,8268
	F4	-8,34667*	1,48852	,001	-13,5001	-3,1932
	F5	-3,37333	1,48852	,367	-8,5268	1,7801
	F6	-5,02000	1,48852	,059	-10,1735	,1335
	F7	-6,02000*	1,48852	,016	-11,1735	-,8665
	F8	-7,02000*	1,48852	,004	-12,1735	-1,8665
F3	F1	4,34667	1,48852	,133	-,8068	9,5001
	F2	4,32667	1,48852	,136	-,8268	9,4801
	F4	-4,02000	1,48852	,192	-9,1735	1,1335
	F5	,95333	1,48852	,998	-4,2001	6,1068
	F6	-,69333	1,48852	1,000	-5,8468	4,4601
	F7	-1,69333	1,48852	,938	-6,8468	3,4601
	F8	-2,69333	1,48852	,623	-7,8468	2,4601
F4	F1	8,36667*	1,48852	,001	3,2132	13,5201
	F2	8,34667*	1,48852	,001	3,1932	13,5001
	F3	4,02000	1,48852	,192	-1,1335	9,1735
	F5	4,97333	1,48852	,063	-,1801	10,1268
	F6	3,32667	1,48852	,382	-1,8268	8,4801
	F7	2,32667	1,48852	,764	-2,8268	7,4801
	F8	1,32667	1,48852	,983	-3,8268	6,4801
F5	F1	3,39333	1,48852	,360	-1,7601	8,5468
	F2	3,37333	1,48852	,367	-1,7801	8,5268
	F3	-,95333	1,48852	,998	-6,1068	4,2001

	F4	-4,97333	1,48852	,063	-10,1268	,1801
	F6	-1,64667	1,48852	,946	-6,8001	3,5068
	F7	-2,64667	1,48852	,642	-7,8001	2,5068
	F8	-3,64667	1,48852	,283	-8,8001	1,5068
F6	F1	5,04000	1,48852	,058	-,1135	10,1935
	F2	5,02000	1,48852	,059	-,1335	10,1735
	F3	,69333	1,48852	1,000	-4,4601	5,8468
	F4	-3,32667	1,48852	,382	-8,4801	1,8268
	F5	1,64667	1,48852	,946	-3,5068	6,8001
	F7	-1,00000	1,48852	,997	-6,1535	4,1535
	F8	-2,00000	1,48852	,869	-7,1535	3,1535
F7	F1	6,04000*	1,48852	,016	,8865	11,1935
	F2	6,02000*	1,48852	,016	,8665	11,1735
	F3	1,69333	1,48852	,938	-3,4601	6,8468
	F4	-2,32667	1,48852	,764	-7,4801	2,8268
	F5	2,64667	1,48852	,642	-2,5068	7,8001
	F6	1,00000	1,48852	,997	-4,1535	6,1535
	F8	-1,00000	1,48852	,997	-6,1535	4,1535
F8	F1	7,04000*	1,48852	,004	1,8865	12,1935
	F2	7,02000*	1,48852	,004	1,8665	12,1735
	F3	2,69333	1,48852	,623	-2,4601	7,8468
	F4	-1,32667	1,48852	,983	-6,4801	3,8268
	F5	3,64667	1,48852	,283	-1,5068	8,8001
	F6	2,00000	1,48852	,869	-3,1535	7,1535
	F7	1,00000	1,48852	,997	-4,1535	6,1535

*. The mean difference is significant at the 0,05 level.

Berdasarkan hasil Uji HSD Tukey dari kedelapan formula , diperoleh nilai $\text{sig}, < \alpha (0,05)$ sehingga H_0 ditolak (*), yang menunjukkan rata-rata *Carr's index* granul ko-proses dari kedelapan formula memiliki perbedaan yang signifikan antar formula yaitu formula 1 menunjukkan perbedaan yang signifikan terhadap formula 4, 7 dan 8; formula 2 menunjukkan perbedaan

yang signifikan terhadap formula 4, formula 7, dan formula 8; formula 4 menunjukkan perbedaan yang signifikan terhadap formula 1 dan 2; formula 5 menunjukkan perbedaan yang signifikan terhadap formula 2 dan formula 8; formula 7 menunjukkan perbedaan yang signifikan terhadap formula 1, formula 2; formula 8 menunjukkan perbedaan yang signifikan terhadap formula 1, formula 2.

LAMPIRAN AD
HASIL UJI STATISTIK *HAUSNER RATIO* GRANUL KO-PROSES
ANTAR FORMULA
(One Way Anova)

Descriptives

Hausner ratio

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
F1	3	1,1374	,01334	,00770	1,1043	1,1706	1,12	1,15
F2	3	1,1403	,00751	,00433	1,1217	1,1590	1,14	1,15
F3	3	1,1943	,01674	,00967	1,1527	1,2359	1,18	1,20
F4	3	1,2583	,00764	,00441	1,2394	1,2773	1,25	1,27
F5	3	1,1830	,03559	,02055	1,0946	1,2714	1,15	1,22
F6	3	1,2067	,04041	,02333	1,1063	1,3071	1,17	1,25
F7	3	1,2233	,04619	,02667	1,1086	1,3381	1,17	1,25
F8	3	1,2400	,01732	,01000	1,1970	1,2830	1,22	1,25
Total	24	1,1979	,04749	,00969	1,1779	1,2180	1,12	1,27

Test of Homogeneity of Variances

Hausner ratio

Levene Statistic	df1	df2	Sig.
2,776	7	16	,043

ANOVA

Hausner ratio

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	,040	7	,006	7,751	,000
Within Groups	,012	16	,001		
Total	,052	23			

Keterangan :

$F_{hitung} (7,751) > F_{tabel (0,05) (7,16)} (2,66)$, maka H_0 ditolak dan ada perbedaan bermakna antar formula. Rata-rata *Hausner ratio* granul ko-proses dari kedelapan formula menunjukkan ada perbedaan yang signifikan antar formula.

Multiple Comparisons

Hausner ratio

Tukey HSD

(I) Formula	(J) Formula	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
F1	F2	-,00290	,02219	1,000	-,0797	,0739
	F3	-,05690	,02219	,238	-,1337	,0199
	F4	-,12090*	,02219	,001	-,1977	-,0441
	F5	-,04557	,02219	,480	-,1224	,0312
	F6	-,06923	,02219	,094	-,1460	,0076
	F7	-,08590*	,02219	,023	-,1627	-,0091
	F8	-,10257*	,02219	,005	-,1794	-,0258
F2	F1	,00290	,02219	1,000	-,0739	,0797
	F3	-,05400	,02219	,289	-,1308	,0228
	F4	-,11800*	,02219	,001	-,1948	-,0412
	F5	-,04267	,02219	,556	-,1195	,0341
	F6	-,06633	,02219	,118	-,1431	,0105
	F7	-,08300*	,02219	,029	-,1598	-,0062
	F8	-,09967*	,02219	,007	-,1765	-,0229
F3	F1	,05690	,02219	,238	-,0199	,1337
	F2	,05400	,02219	,289	-,0228	,1308
	F4	-,06400	,02219	,141	-,1408	,0128
	F5	,01133	,02219	,999	-,0655	,0881
	F6	-,01233	,02219	,999	-,0891	,0645
	F7	-,02900	,02219	,883	-,1058	,0478
	F8	-,04567	,02219	,477	-,1225	,0311
F4	F1	,12090*	,02219	,001	,0441	,1977
	F2	,11800*	,02219	,001	,0412	,1948
	F3	,06400	,02219	,141	-,0128	,1408
	F5	,07533	,02219	,057	-,0015	,1521
	F6	,05167	,02219	,336	-,0251	,1285
	F7	,03500	,02219	,756	-,0418	,1118
	F8	,01833	,02219	,989	-,0585	,0951
F5	F1	,04557	,02219	,480	-,0312	,1224
	F2	,04267	,02219	,556	-,0341	,1195
	F3	-,01133	,02219	,999	-,0881	,0655

	F4	-,07533	,02219	,057	-,1521	,0015
	F6	-,02367	,02219	,955	-,1005	,0531
	F7	-,04033	,02219	,618	-,1171	,0365
	F8	-,05700	,02219	,236	-,1338	,0198
F6	F1	,06923	,02219	,094	-,0076	,1460
	F2	,06633	,02219	,118	-,0105	,1431
	F3	,01233	,02219	,999	-,0645	,0891
	F4	-,05167	,02219	,336	-,1285	,0251
	F5	,02367	,02219	,955	-,0531	,1005
	F7	-,01667	,02219	,994	-,0935	,0601
	F8	-,03333	,02219	,796	-,1101	,0435
F7	F1	,08590*	,02219	,023	,0091	,1627
	F2	,08300*	,02219	,029	,0062	,1598
	F3	,02900	,02219	,883	-,0478	,1058
	F4	-,03500	,02219	,756	-,1118	,0418
	F5	,04033	,02219	,618	-,0365	,1171
	F6	,01667	,02219	,994	-,0601	,0935
	F8	-,01667	,02219	,994	-,0935	,0601
F8	F1	,10257*	,02219	,005	,0258	,1794
	F2	,09967*	,02219	,007	,0229	,1765
	F3	,04567	,02219	,477	-,0311	,1225
	F4	-,01833	,02219	,989	-,0951	,0585
	F5	,05700	,02219	,236	-,0198	,1338
	F6	,03333	,02219	,796	-,0435	,1101
	F7	,01667	,02219	,994	-,0601	,0935

*. The mean difference is significant at the 0,05 level.

Hasil Uji HSD Tukey dari kedelapan formula , diperoleh nilai $\text{sig.} < \alpha$ (0,05) sehingga H_0 ditolak (*), berarti rata-rata *Hausner ratio* granul ko-proses dari kedelapan formula menunjukkan bahwa ada perbedaan yang signifikan antar formula yaitu formula formula 1 menunjukkan perbedaan yang signifikan terhadap formula 4, 7 dan 8; formula 2 menunjukkan perbedaan yang signifikan terhadap formula 4, 7 dan formula 8; formula 4 menunjukkan perbedaan yang signifikan terhadap formula 7 dan formula 8; formula 7 menunjukkan perbedaan yang signifikan terhadap formula 1, formula 2; formula 8 menunjukkan perbedaan yang signifikan terhadap formula 1, formula 2.

LAMPIRAN AE
HASIL UJI STATISTIK KEKERASAN TABLET KO-PROSES
ANTAR FORMULA
(One Way Anova)

Descriptives

Kekerasan

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
F1	3	2,8200	,06928	,04000	2,6479	2,9921	2,78	2,90
F2	3	2,5967	,18771	,10837	2,1304	3,0630	2,43	2,80
F3	3	2,4167	,11930	,06888	2,1203	2,7130	2,32	2,55
F4	3	2,2200	,04359	,02517	2,1117	2,3283	2,19	2,27
F5	3	2,8067	,07095	,04096	2,6304	2,9829	2,73	2,87
F6	3	2,7267	,11676	,06741	2,4366	3,0167	2,60	2,83
F7	3	2,5467	,19140	,11050	2,0712	3,0221	2,39	2,76
F8	3	2,5233	,08963	,05175	2,3007	2,7460	2,42	2,58
Total	24	2,5821	,21998	,04490	2,4892	2,6750	2,19	2,90

Test of Homogeneity of Variances

Kekerasan

Levene Statistic	df1	df2	Sig.
1,687	7	16	,183

ANOVA

Kekerasan

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	,874	7	,125	8,359	,000
Within Groups	,239	16	,015		
Total	1,113	23			

Keterangan :

$F_{hitung} (8,359) > F_{tabel (0,05) (7,16)} (2,66)$, maka H_0 ditolak dan ada perbedaan bermakna antar formula. Rata-rata kekerasan tablet ko-proses dari kedelapan formula menunjukkan ada perbedaan yang signifikan antar formula.

Multiple Comparisons

Kekerasan
Tukey HSD

(I) Formula	(J) Formula	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
F1	F2	,22333	,09979	,381	-,1222	,5688
	F3	,40333*	,09979	,016	,0578	,7488
	F4	,60000*	,09979	,000	,2545	,9455
	F5	,01333	,09979	1,000	-,3322	,3588
	F6	,09333	,09979	,977	-,2522	,4388
	F7	,27333	,09979	,180	-,0722	,6188
	F8	,29667	,09979	,121	-,0488	,6422
F2	F1	-,22333	,09979	,381	-,5688	,1222
	F3	,18000	,09979	,627	-,1655	,5255
	F4	,37667*	,09979	,028	,0312	,7222
	F5	-,21000	,09979	,452	-,5555	,1355
	F6	-,13000	,09979	,885	-,4755	,2155
	F7	,05000	,09979	,999	-,2955	,3955
	F8	,07333	,09979	,994	-,2722	,4188
F3	F1	-,40333*	,09979	,016	-,7488	-,0578
	F2	-,18000	,09979	,627	-,5255	,1655
	F4	,19667	,09979	,528	-,1488	,5422
	F5	-,39000*	,09979	,021	-,7355	-,0445
	F6	-,31000	,09979	,096	-,6555	,0355
	F7	-,13000	,09979	,885	-,4755	,2155
	F8	-,10667	,09979	,955	-,4522	,2388
F4	F1	-,60000*	,09979	,000	-,9455	-,2545
	F2	-,37667*	,09979	,028	-,7222	-,0312
	F3	-,19667	,09979	,528	-,5422	,1488
	F5	-,58667*	,09979	,000	-,9322	-,2412
	F6	-,50667*	,09979	,002	-,8522	-,1612
	F7	-,32667	,09979	,071	-,6722	,0188
	F8	-,30333	,09979	,108	-,6488	,0422
F5	F1	-,01333	,09979	1,000	-,3588	,3322
	F2	,21000	,09979	,452	-,1355	,5555
	F3	,39000*	,09979	,021	,0445	,7355

	F4	,58667*	,09979	,000	,2412	,9322
	F6	,08000	,09979	,991	-,2655	,4255
	F7	,26000	,09979	,223	-,0855	,6055
	F8	,28333	,09979	,152	-,0622	,6288
F6	F1	-,09333	,09979	,977	-,4388	,2522
	F2	,13000	,09979	,885	-,2155	,4755
	F3	,31000	,09979	,096	-,0355	,6555
	F4	,50667*	,09979	,002	,1612	,8522
	F5	-,08000	,09979	,991	-,4255	,2655
	F7	,18000	,09979	,627	-,1655	,5255
	F8	,20333	,09979	,489	-,1422	,5488
F7	F1	-,27333	,09979	,180	-,6188	,0722
	F2	-,05000	,09979	,999	-,3955	,2955
	F3	,13000	,09979	,885	-,2155	,4755
	F4	,32667	,09979	,071	-,0188	,6722
	F5	-,26000	,09979	,223	-,6055	,0855
	F6	-,18000	,09979	,627	-,5255	,1655
	F8	,02333	,09979	1,000	-,3222	,3688
F8	F1	-,29667	,09979	,121	-,6422	,0488
	F2	-,07333	,09979	,994	-,4188	,2722
	F3	,10667	,09979	,955	-,2388	,4522
	F4	,30333	,09979	,108	-,0422	,6488
	F5	-,28333	,09979	,152	-,6288	,0622
	F6	-,20333	,09979	,489	-,5488	,1422
	F7	-,02333	,09979	1,000	-,3688	,3222

*. The mean difference is significant at the 0,05 level.

Keterangan :

Dari hasil Uji HSD Tukey dari kedelapan formula , diperoleh nilai $\text{sig} < \alpha$ (0,05) sehingga H_0 ditolak (*), rata-rata kekerasan tablet ko-proses dari kedelapan formula menunjukkan bahwa ada perbedaan yang signifikan antar formula yaitu formula 1 menunjukkan perbedaan yang signifikan terhadap formula 3, formula 4; formula 2 menunjukkan perbedaan yang signifikan terhadap formula 4; formula 3 menunjukkan perbedaan yang signifikan terhadap formula 1 dan formula 5; formula 4 menunjukkan perbedaan yang signifikan terhadap formula 1, formula 2, formula 5 dan formula 6; formula 5 menunjukkan perbedaan yang signifikan terhadap formula 3, formula 4; formula 6 menunjukkan perbedaan yang signifikan terhadap formula 4.

LAMPIRAN AF
HASIL UJI STATISTIK KERAPUHAN TABLET KO-PROSES
ANTAR FORMULA
(One Way Anova)

Descriptives

Kerapuhan

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
F1	3	,6267	,00577	,00333	,6123	,6410	,62	,63
F2	3	,7533	,03215	,01856	,6735	,8332	,73	,79
F3	3	,9200	,01000	,00577	,8952	,9448	,91	,93
F4	3	,6767	,07234	,04177	,4970	,8564	,63	,76
F5	3	,6233	,01528	,00882	,5854	,6613	,61	,64
F6	3	,4533	,31786	,18352	-,3363	1,2429	,20	,81
F7	3	,1800	,15716	,09074	-,2104	,5704	,04	,35
F8	3	,6033	,27737	,16014	-,0857	1,2924	,37	,91
Total	24	,6046	,24768	,05056	,5000	,7092	,04	,93

Test of Homogeneity of Variances

Kerapuhan

Levene Statistic	df1	df2	Sig.
5,692	7	16	,002

ANOVA

Kerapuhan

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	,992	7	,142	5,419	,002
Within Groups	,419	16	,026		
Total	1,411	23			

Keterangan :

$F_{hitung} (5,419) > F_{tabel (0,05) (7,16)} (2,66)$, maka H_0 ditolak dan ada perbedaan yang bermakna antar formula. Rata-rata kerapuhan tablet ko-proses dari kedelapan formula menunjukkan adanya perbedaan yang signifikan antar formula.

Multiple Comparisons

Kerapuhan
Tukey HSD

(I) Formula	(J) Formula	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
F1	F2	-,12667	,13207	,974	-,5839	,3306
	F3	-,29333	,13207	,389	-,7506	,1639
	F4	-,05000	,13207	1,000	-,5072	,4072
	F5	,00333	,13207	1,000	-,4539	,4606
	F6	,17333	,13207	,881	-,2839	,6306
	F7	,44667	,13207	,058	-,0106	,9039
	F8	,02333	,13207	1,000	-,4339	,4806
F2	F1	,12667	,13207	,974	-,3306	,5839
	F3	-,16667	,13207	,900	-,6239	,2906
	F4	,07667	,13207	,999	-,3806	,5339
	F5	,13000	,13207	,970	-,3272	,5872
	F6	,30000	,13207	,364	-,1572	,7572
	F7	,57333 ^a	,13207	,009	,1161	1,0306
	F8	,15000	,13207	,939	-,3072	,6072
F3	F1	,29333	,13207	,389	-,1639	,7506
	F2	,16667	,13207	,900	-,2906	,6239
	F4	,24333	,13207	,604	-,2139	,7006
	F5	,29667	,13207	,377	-,1606	,7539
	F6	,46667 ^a	,13207	,044	,0094	,9239
	F7	,74000 ^a	,13207	,001	,2828	1,1972
	F8	,31667	,13207	,305	-,1406	,7739
F4	F1	,05000	,13207	1,000	-,4072	,5072
	F2	-,07667	,13207	,999	-,5339	,3806
	F3	-,24333	,13207	,604	-,7006	,2139
	F5	,05333	,13207	1,000	-,4039	,5106
	F6	,22333	,13207	,693	-,2339	,6806
	F7	,49667 ^a	,13207	,028	,0394	,9539
	F8	,07333	,13207	,999	-,3839	,5306
F5	F1	-,00333	,13207	1,000	-,4606	,4539
	F2	-,13000	,13207	,970	-,5872	,3272
	F3	-,29667	,13207	,377	-,7539	,1606

	F4	-,05333	,13207	1,000	-,5106	,4039
	F6	,17000	,13207	,891	-,2872	,6272
	F7	,44333	,13207	,061	-,0139	,9006
	F8	,02000	,13207	1,000	-,4372	,4772
F6	F1	-,17333	,13207	,881	-,6306	,2839
	F2	-,30000	,13207	,364	-,7572	,1572
	F3	-,46667*	,13207	,044	-,9239	-,0094
	F4	-,22333	,13207	,693	-,6806	,2339
	F5	-,17000	,13207	,891	-,6272	,2872
	F7	,27333	,13207	,471	-,1839	,7306
	F8	-,15000	,13207	,939	-,6072	,3072
F7	F1	-,44667	,13207	,058	-,9039	,0106
	F2	-,57333*	,13207	,009	-1,0306	-,1161
	F3	-,74000*	,13207	,001	-1,1972	-,2828
	F4	-,49667*	,13207	,028	-,9539	-,0394
	F5	-,44333	,13207	,061	-,9006	,0139
	F6	-,27333	,13207	,471	-,7306	,1839
	F8	-,42333	,13207	,080	-,8806	,0339
F8	F1	-,02333	,13207	1,000	-,4806	,4339
	F2	-,15000	,13207	,939	-,6072	,3072
	F3	-,31667	,13207	,305	-,7739	,1406
	F4	-,07333	,13207	,999	-,5306	,3839
	F5	-,02000	,13207	1,000	-,4772	,4372
	F6	,15000	,13207	,939	-,3072	,6072
	F7	,42333	,13207	,080	-,0339	,8806

*. The mean difference is significant at the 0,05 level.

Keterangan :

Hasil uji HSD Tukey dari kedelapan formula, diperoleh nilai $\text{sig.} < \alpha$ (0,05) sehingga H_0 ditolak, berarti rata-rata kerapuhan tablet ko-proses dari kedelapan formula menunjukkan adanya perbedaan yang signifikan antar formula.

LAMPIRAN AG

HASIL Uji STATISTIK WAKTU HANCUR TABLET KO-PROSES

ANTAR FORMULA

(One Way Anova)

Descriptives

Waktu hancur

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
F1	3	261,2000	1,83303	1,05830	256,6465	265,7535	259,60	263,20
F2	3	261,6000	1,11355	,64291	258,8338	264,3662	260,40	262,60
F3	3	67,5333	,94516	,54569	65,1854	69,8812	66,80	68,60
F4	3	51,3333	,80829	,46667	49,3254	53,3412	50,60	52,20
F5	3	446,9333	1,62891	,94045	442,8869	450,9798	445,80	448,80
F6	3	505,3333	1,30128	,75130	502,1008	508,5659	504,00	506,60
F7	3	160,6000	,87178	,50332	158,4344	162,7656	159,60	161,20
F8	3	205,0000	1,05830	,61101	202,3710	207,6290	204,20	206,20
Total	24	244,9417	156,10251	31,86429	179,0254	310,8580	50,60	506,60

Test of Homogeneity of Variances

Waktu hancur

Levene Statistic	df1	df2	Sig.
,753	7	16	,633

ANOVA

Waktu hancur

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	560439,132	7	80062,733	51764,698	,000
Within Groups	24,747	16	1,547		
Total	560463,878	23			

Keterangan :

$F_{hitung} (51764,698) > F_{tabel (0,05) (7,16) (2,66)}$ maka H_0 ditolak dan ada perbedaan yang bermakna antar formula. Rata-rata waktu hancur tablet ko-proses dari kedelapan formula menunjukkan ada perbedaan yang signifikan antar formula.

Multiple Comparisons

Waktu hancur

Tukey HSD

(I) Formula	(J) Formula	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
F1	F2	-,40000	1,01544	1,000	-3,9156	3,1156
	F3	193,66667 [*]	1,01544	,000	190,1511	197,1823
	F4	209,86667 [*]	1,01544	,000	206,3511	213,3823
	F5	-185,73333 [*]	1,01544	,000	-189,2489	-182,2177
	F6	-244,13333 [*]	1,01544	,000	-247,6489	-240,6177
	F7	100,60000 [*]	1,01544	,000	97,0844	104,1156
	F8	56,20000 [*]	1,01544	,000	52,6844	59,7156
F2	F1	,40000	1,01544	1,000	-3,1156	3,9156
	F3	194,06667 [*]	1,01544	,000	190,5511	197,5823
	F4	210,26667 [*]	1,01544	,000	206,7511	213,7823
	F5	-185,33333 [*]	1,01544	,000	-188,8489	-181,8177
	F6	-243,73333 [*]	1,01544	,000	-247,2489	-240,2177
	F7	101,00000 [*]	1,01544	,000	97,4844	104,5156
	F8	56,60000 [*]	1,01544	,000	53,0844	60,1156
F3	F1	-193,66667 [*]	1,01544	,000	-197,1823	-190,1511
	F2	-194,06667 [*]	1,01544	,000	-197,5823	-190,5511
	F4	16,20000 [*]	1,01544	,000	12,6844	19,7156
	F5	-379,40000 [*]	1,01544	,000	-382,9156	-375,8844
	F6	-437,80000 [*]	1,01544	,000	-441,3156	-434,2844
	F7	-93,06667 [*]	1,01544	,000	-96,5823	-89,5511
	F8	-137,46667 [*]	1,01544	,000	-140,9823	-133,9511
F4	F1	-209,86667 [*]	1,01544	,000	-213,3823	-206,3511
	F2	-210,26667 [*]	1,01544	,000	-213,7823	-206,7511
	F3	-16,20000 [*]	1,01544	,000	-19,7156	-12,6844
	F5	-395,60000 [*]	1,01544	,000	-399,1156	-392,0844
	F6	-454,00000 [*]	1,01544	,000	-457,5156	-450,4844
	F7	-109,26667 [*]	1,01544	,000	-112,7823	-105,7511
	F8	-153,66667 [*]	1,01544	,000	-157,1823	-150,1511
F5	F1	185,73333 [*]	1,01544	,000	182,2177	189,2489
	F2	185,33333 [*]	1,01544	,000	181,8177	188,8489
	F3	379,40000 [*]	1,01544	,000	375,8844	382,9156

	F4	395,60000*	1,01544	,000	392,0844	399,1156
	F6	-58,40000*	1,01544	,000	-61,9156	-54,8844
	F7	286,33333*	1,01544	,000	282,8177	289,8489
	F8	241,93333*	1,01544	,000	238,4177	245,4489
F6	F1	244,13333*	1,01544	,000	240,6177	247,6489
	F2	243,73333*	1,01544	,000	240,2177	247,2489
	F3	437,80000*	1,01544	,000	434,2844	441,3156
	F4	454,00000*	1,01544	,000	450,4844	457,5156
	F5	58,40000*	1,01544	,000	54,8844	61,9156
	F7	344,73333*	1,01544	,000	341,2177	348,2489
	F8	300,33333*	1,01544	,000	296,8177	303,8489
F7	F1	-100,60000*	1,01544	,000	-104,1156	-97,0844
	F2	-101,00000*	1,01544	,000	-104,5156	-97,4844
	F3	93,06667*	1,01544	,000	89,5511	96,5823
	F4	109,26667*	1,01544	,000	105,7511	112,7823
	F5	-286,33333*	1,01544	,000	-289,8489	-282,8177
	F6	-344,73333*	1,01544	,000	-348,2489	-341,2177
	F8	-44,40000*	1,01544	,000	-47,9156	-40,8844
F8	F1	-56,20000*	1,01544	,000	-59,7156	-52,6844
	F2	-56,60000*	1,01544	,000	-60,1156	-53,0844
	F3	137,46667*	1,01544	,000	133,9511	140,9823
	F4	153,66667*	1,01544	,000	150,1511	157,1823
	F5	-241,93333*	1,01544	,000	-245,4489	-238,4177
	F6	-300,33333*	1,01544	,000	-303,8489	-296,8177
	F7	44,40000*	1,01544	,000	40,8844	47,9156

*. The mean difference is significant at the 0,05 level.

Keterangan :

Hasil Uji HSD Tukey dari kedelapan formula, diperoleh nilai $\text{Sig.} < \alpha$ (0,05) sehingga H_0 ditolak (*), rata-rata waktu hancur tablet ko-proses dari kedelapan formula menunjukkan bahwa ada perbedaan yang signifikan antar formula yaitu formula 1 menunjukkan perbedaan yang signifikan terhadap formula 3, formula 4, formula 5, formula 6, formula 7, formula 8; formula 2 menunjukkan perbedaan yang signifikan terhadap formula 3, formula 4, formula 5, formula 6, formula 7, dan

formula 8; formula 3 menunjukkan perbedaan yang signifikan terhadap formula 1, formula 2, formula 4, formula 5, formula 6, formula 7 dan formula 8; formula 4 menunjukkan perbedaan yang signifikan terhadap formula 1, formula 2, formula 3, formula 5, formula 6, formula 7 dan formula 8; formula 5 menunjukkan perbedaan yang signifikan terhadap formula 1, formula 2, formula 3, formula 4, formula 6, formula 7 dan formula 8; formula 6 menunjukkan perbedaan yang signifikan terhadap formula 1, formula 2, formula 3, formula 4, formula 5, formula 7 dan formula 8; formula 7 menunjukkan perbedaan yang signifikan terhadap formula 1, 2, 3, 4, 5, 6, 8; formula 8 menunjukkan perbedaan yang signifikan terhadap formula 1 sampai formula 7.

LAMPIRAN AH
HASIL UJI STATISTIK WAKTU PEMBASAHAN TABLET KO-
PROSES
ANTAR FORMULA
(One Way Anova)

Descriptives

Waktu pembasahan

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
F1	3	724,4000	1,20000	,69282	721,4190	727,3810	723,20	725,60
F2	3	1030,7333	1,70098	,98206	1026,5079	1034,9588	1029,00	1032,40
F3	3	138,8000	1,60000	,92376	134,8254	142,7746	137,20	140,40
F4	3	125,3333	,41633	,24037	124,2991	126,3676	125,00	125,80
F5	3	3444,1333	3,50048	2,02100	3435,4377	3452,8290	3440,60	3447,60
F6	3	4980,0000	12,00000	6,92820	4950,1903	5009,8097	4968,00	4992,00
F7	3	1056,5333	1,70098	,98206	1052,3079	1060,7588	1054,80	1058,20
F8	3	422,5333	1,41892	,81921	419,0085	426,0581	421,00	423,80
Total	24	1490,3083	1686,70064	344,29633	778,0771	2202,5395	125,00	4992,00

Test of Homogeneity of Variances

Waktu pembasahan

Levene Statistic	df1	df2	Sig.
2,697	7	16	,048

ANOVA

Waktu pembasahan

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	6,543E7	7	9347674,518	444527,599	,000
Within Groups	336,453	16	21,028		
Total	6,543E7	23			

Keterangan :

$F_{hitung} (444527,599) > F_{tabel (0,05) (7,16)} (2,66)$ maka H_0 ditolak dan ada perbedaan yang bermakna antar formula. Rata-rata waktu pembasahan tablet ko-proses dari kedelapan formula menunjukkan ada perbedaan yang signifikan antar formula.

Multiple Comparisons

Waktu_basah

Tukey HSD

(I) Formula	(J) Formula	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
F1	F2	-306,33333 [*]	3,74418	,000	-319,2963	-293,3704
	F3	585,60000 [*]	3,74418	,000	572,6371	598,5629
	F4	599,06667 [*]	3,74418	,000	586,1037	612,0296
	F5	-2719,73333 [*]	3,74418	,000	-2732,6963	-2706,7704
	F6	-4255,60000 [*]	3,74418	,000	-4268,5629	-4242,6371
	F7	-332,13333 [*]	3,74418	,000	-345,0963	-319,1704
	F8	301,86667 [*]	3,74418	,000	288,9037	314,8296
F2	F1	306,33333 [*]	3,74418	,000	293,3704	319,2963
	F3	891,93333 [*]	3,74418	,000	878,9704	904,8963
	F4	905,40000 [*]	3,74418	,000	892,4371	918,3629
	F5	-2413,40000 [*]	3,74418	,000	-2426,3629	-2400,4371
	F6	-3949,26667 [*]	3,74418	,000	-3962,2296	-3936,3037
	F7	-25,80000 [*]	3,74418	,000	-38,7629	-12,8371
	F8	608,20000 [*]	3,74418	,000	595,2371	621,1629
F3	F1	-585,60000 [*]	3,74418	,000	-598,5629	-572,6371
	F2	-891,93333 [*]	3,74418	,000	-904,8963	-878,9704
	F4	13,46667 [*]	3,74418	,039	,5037	26,4296
	F5	-3305,33333 [*]	3,74418	,000	-3318,2963	-3292,3704
	F6	-4841,20000 [*]	3,74418	,000	-4854,1629	-4828,2371
	F7	-917,73333 [*]	3,74418	,000	-930,6963	-904,7704
	F8	-283,73333 [*]	3,74418	,000	-296,6963	-270,7704
F4	F1	-599,06667 [*]	3,74418	,000	-612,0296	-586,1037
	F2	-905,40000 [*]	3,74418	,000	-918,3629	-892,4371
	F3	-13,46667 [*]	3,74418	,039	-26,4296	-,5037
	F5	-3318,80000 [*]	3,74418	,000	-3331,7629	-3305,8371
	F6	-4854,66667 [*]	3,74418	,000	-4867,6296	-4841,7037
	F7	-931,20000 [*]	3,74418	,000	-944,1629	-918,2371
	F8	-297,20000 [*]	3,74418	,000	-310,1629	-284,2371
F5	F1	2719,73333 [*]	3,74418	,000	2706,7704	2732,6963
	F2	2413,40000 [*]	3,74418	,000	2400,4371	2426,3629
	F3	3305,33333 [*]	3,74418	,000	3292,3704	3318,2963

	F4	3318,80000*	3,74418	,000	3305,8371	3331,7629
	F6	-1535,86667*	3,74418	,000	-1548,8296	-1522,9037
	F7	2387,60000*	3,74418	,000	2374,6371	2400,5629
	F8	3021,60000*	3,74418	,000	3008,6371	3034,5629
F6	F1	4255,60000*	3,74418	,000	4242,6371	4268,5629
	F2	3949,26667*	3,74418	,000	3936,3037	3962,2296
	F3	484,20000*	3,74418	,000	4828,2371	4854,1629
	F4	4854,66667*	3,74418	,000	4841,7037	4867,6296
	F5	1535,86667*	3,74418	,000	1522,9037	1548,8296
	F7	3923,46667*	3,74418	,000	3910,5037	3936,4296
	F8	4557,46667*	3,74418	,000	4544,5037	4570,4296
F7	F1	332,13333*	3,74418	,000	319,1704	345,0963
	F2	25,80000*	3,74418	,000	12,8371	38,7629
	F3	917,73333*	3,74418	,000	904,7704	930,6963
	F4	931,20000*	3,74418	,000	918,2371	944,1629
	F5	-2387,60000*	3,74418	,000	-2400,5629	-2374,6371
	F6	-3923,46667*	3,74418	,000	-3936,4296	-3910,5037
	F8	634,00000*	3,74418	,000	621,0371	646,9629
F8	F1	-301,86667*	3,74418	,000	-314,8296	-288,9037
	F2	-608,20000*	3,74418	,000	-621,1629	-595,2371
	F3	283,73333*	3,74418	,000	270,7704	296,6963
	F4	297,20000*	3,74418	,000	284,2371	310,1629
	F5	-3021,60000*	3,74418	,000	-3034,5629	-3008,6371
	F6	-4557,46667*	3,74418	,000	-4570,4296	-4544,5037
	F7	-634,00000*	3,74418	,000	-646,9629	-621,0371

*. The mean difference is significant at the 0,05 level.

Keterangan :

Hasil Uji HSD Tukey dari kedelapan formula , diperoleh nilai Sig.< α (0,05) sehingga Ho ditolak (*), berarti rata-rata waktu pembasahan tablet ko-proses dari kedelapan formula menunjukkan bahwa ada perbedaan yang signifikan antar formula yaitu semua formula menunjukkan perbedaan yang signifikan.

LAMPIRAN AI

HASIL UJI STATISTIK RASIO ABSORPSI AIR TABLET KO-

PROSES

ANTAR FORMULA

(One Way Anova)

Descriptives

Ratio absorpsi

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
F1	3	22,1167	1,52073	,87800	18,3390	25,8944	20,38	23,21
F2	3	13,0233	,79952	,46160	11,0372	15,0095	12,12	13,64
F3	3	36,3933	1,79595	1,03689	31,9319	40,8547	34,82	38,35
F4	3	42,3300	1,14843	,66305	39,4771	45,1829	41,56	43,65
F5	3	12,5700	1,14817	,66290	9,7178	15,4222	11,28	13,48
F6	3	12,0967	,74191	,42834	10,2537	13,9397	11,42	12,89
F7	3	33,5500	2,56344	1,48000	27,1821	39,9179	30,63	35,43
F8	3	31,6567	1,21887	,70371	28,6288	34,6845	30,58	32,98
Total	24	25,4671	11,59184	2,36617	20,5723	30,3619	11,28	43,65

Test of Homogeneity of Variances

Ratio absorpsi

Levene Statistic	df1	df2	Sig.
1,779	7	16	,161

ANOVA

Ratio absorpsi

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	3055,681	7	436,526	200,451	,000
Within Groups	34,844	16	2,178		
Total	3090,525	23			

Keterangan :

$F_{hitung} (200,451) > F_{tabel (0,05) (7,16)} (2,66)$ maka H_0 ditolak dan ada perbedaan yang bermakna antar formula. Rata-rata rasio absorpsi air tablet ko-proses dari kedelapan formula menunjukkan ada perbedaan yang signifikan antar formula.

Multiple Comparisons

Ratio absorpsi

Tukey HSD

(I) Formula	(J) Formula	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
F1	F2	9,09333*	1,20491	,000	4,9217	13,2649
	F3	-14,27667*	1,20491	,000	-18,4483	-10,1051
	F4	-20,21333*	1,20491	,000	-24,3849	-16,0417
	F5	9,54667*	1,20491	,000	5,3751	13,7183
	F6	10,02000*	1,20491	,000	5,8484	14,1916
	F7	-11,43333*	1,20491	,000	-15,6049	-7,2617
	F8	-9,54000*	1,20491	,000	-13,7116	-5,3684
F2	F1	-9,09333*	1,20491	,000	-13,2649	-4,9217
	F3	-23,37000*	1,20491	,000	-27,5416	-19,1984
	F4	-29,30667*	1,20491	,000	-33,4783	-25,1351
	F5	,45333	1,20491	1,000	-3,7183	4,6249
	F6	,92667	1,20491	,993	-3,2449	5,0983
	F7	-20,52667*	1,20491	,000	-24,6983	-16,3551
	F8	-18,63333*	1,20491	,000	-22,8049	-14,4617
F3	F1	14,27667*	1,20491	,000	10,1051	18,4483
	F2	23,37000*	1,20491	,000	19,1984	27,5416
	F4	-5,93667*	1,20491	,003	-10,1083	-1,7651
	F5	23,82333*	1,20491	,000	19,6517	27,9949
	F6	24,29667*	1,20491	,000	20,1251	28,4683
	F7	2,84333	1,20491	,322	-1,3283	7,0149
	F8	4,73667*	1,20491	,020	,5651	8,9083
F4	F1	20,21333*	1,20491	,000	16,0417	24,3849
	F2	29,30667*	1,20491	,000	25,1351	33,4783
	F3	5,93667*	1,20491	,003	1,7651	10,1083
	F5	29,76000*	1,20491	,000	25,5884	33,9316
	F6	30,23333*	1,20491	,000	26,0617	34,4049
	F7	8,78000*	1,20491	,000	4,6084	12,9516
	F8	10,67333*	1,20491	,000	6,5017	14,8449
F5	F1	-9,54667*	1,20491	,000	-13,7183	-5,3751
	F2	-,45333	1,20491	1,000	-4,6249	3,7183
	F3	-23,82333*	1,20491	,000	-27,9949	-19,6517

	F4	-29,76000*	1,20491	,000	-33,9316	-25,5884
	F6	,47333	1,20491	1,000	-3,6983	4,6449
	F7	-20,98000*	1,20491	,000	-25,1516	-16,8084
	F8	-19,08667*	1,20491	,000	-23,2583	-14,9151
F6	F1	-10,02000*	1,20491	,000	-14,1916	-5,8484
	F2	-,92667	1,20491	,993	-5,0983	3,2449
	F3	-24,29667*	1,20491	,000	-28,4683	-20,1251
	F4	-30,23333*	1,20491	,000	-34,4049	-26,0617
	F5	-,47333	1,20491	1,000	-4,6449	3,6983
	F7	-21,45333*	1,20491	,000	-25,6249	-17,2817
	F8	-19,56000*	1,20491	,000	-23,7316	-15,3884
F7	F1	11,43333*	1,20491	,000	7,2617	15,6049
	F2	20,52667*	1,20491	,000	16,3551	24,6983
	F3	-2,84333	1,20491	,322	-7,0149	1,3283
	F4	-8,78000*	1,20491	,000	-12,9516	-4,6084
	F5	20,98000*	1,20491	,000	16,8084	25,1516
	F6	21,45333*	1,20491	,000	17,2817	25,6249
	F8	1,89333	1,20491	,760	-2,2783	6,0649
F8	F1	9,54000*	1,20491	,000	5,3684	13,7116
	F2	18,63333*	1,20491	,000	144617	22,8049
	F3	-4,73667*	1,20491	,020	-8,9083	-,5651
	F4	-10,67333*	1,20491	,000	-14,8449	-6,5017
	F5	19,08667*	1,20491	,000	14,9151	23,2583
	F6	19,56000*	1,20491	,000	15,3884	23,7316
	F7	-1,89333	1,20491	,760	-6,0649	2,2783

*. The mean difference is significant at the 0,05 level.

Keterangan :

Dari hasil Uji HSD Tukey dari kedelapan formula, diperoleh nilai $\text{sig} < \alpha$ (0,05) sehingga H_0 ditolak (*), rata-rata kekerasan tablet ko-proses dari kedelapan formula menunjukkan bahwa ada perbedaan yang signifikan antar formula yaitu formula 1 menunjukkan perbedaan yang signifikan terhadap formula 2 sampai 8; formula 2 menunjukkan perbedaan yang signifikan terhadap formula 1, formula 3, formula 4, formula 7 dan formula 8; formula 3 menunjukkan perbedaan yang signifikan terhadap formula 1 sampai formula 8 kecuali formula 7; formula 4 menunjukkan

perbedaan yang signifikan terhadap kedelapan formula; formula 5 menunjukkan perbedaan yang signifikan terhadap formula 1, formula 3, formula 4, formula 7, formula 8; formula 6 menunjukkan perbedaan yang signifikan kecuali pada formula 2 dan 5; formula 7 menunjukkan perbedaan yang signifikan kecuali pada formula 3 dan 8; formula 8 menunjukkan perbedaan yang signifikan terhadap formula 1 sampai formula 7.

LAMPIRAN AJ
HASIL UJI STATISTIK *CARR'S INDEX* GRANUL KO-PROSES
FORMULA OPTIMUM
(One-Sample T Test)

One-Sample Statistics

	N	Mean	Std. Deviation	Std. Error Mean
Carrs index	3	17,6600	,57166	,33005

One-Sample Test

	Test Value = 17.77					
	t	df	Sig. (2-tailed)	Mean Difference	95% Confidence Interval of the Difference	
					Lower	Upper
Carrs index	-,333	2	,771	-,11000	-1,5301	1,3101

Keterangan: $T_{hitung} (0,333) < T_{tabel} (0,05) (2) (4,303)$, menunjukkan bahwa nilai *Carr's index* granul ko-proses optimum tidak memiliki perbedaan yang bermakna terhadap hasil teoritis.

LAMPIRAN AK
HASIL UJI STATISTIK *HAUSNER RATIO* GRANUL KO-PROSES
FORMULA OPTIMUM
(One-Sample T Test)

One-Sample Statistics

	N	Mean	Std. Deviation	Std. Error Mean
Hausner ratio	3	1,2100	,01000	,00577

One-Sample Test

	Test Value = 1.21					
	t	Df	Sig. (2-tailed)	Mean Difference	95% Confidence Interval of the Difference	
					Lower	Upper
Hausner ratio	,000	2	1,000	,00000	-,0248	,0248

Keterangan: $T_{hitung} (0,000) < T_{tabel (0,05) (2)} (4,303)$, menunjukkan nilai *Hausner ratio* granul ko-proses optimum tidak memiliki perbedaan yang bermakna terhadap hasil teoritis.

LAMPIRAN AL
HASIL UJI STATISTIK KEKERASAN TABLET KO-PROSES
FORMULA OPTIMUM
(One-Sample T test)

One-Sample Statistics

	N	Mean	Std. Deviation	Std. Error Mean
Kekerasan	3	2,3333	,15275	,08819

One-Sample Test

	Test Value = 2.42					
	t	Df	Sig. (2-tailed)	Mean Difference	95% Confidence Interval of the Difference	
					Lower	Upper
Kekerasan	-,983	2	,429	-,08667	-,4661	,2928

Keterangan: $T_{hitung} (0,983) < T_{tabel (0,05) (2)} (4,303)$, yang menunjukkan kekerasan tablet ko-proses optimum tidak ada perbedaan yang bermakna terhadap hasil teoritis.

LAMPIRAN AM
HASIL UJI STATISTIK KERAPUHAN TABLET KO-PROSES
FORMULA OPTIMUM
(One-Sample T test)

One-Sample Statistics

	N	Mean	Std. Deviation	Std. Error Mean
kerapuhan	3	,6867	,04041	,02333

One-Sample Test

	Test Value = 0.6934					
	t	df	Sig. (2-tailed)	Mean Difference	95% Confidence Interval of the Difference	
					Lower	Upper
kerapuhan	-,289	2	,800	-,00673	-,1071	,0937

Keterangan: $T_{hitung} (0.289) < T_{tabel (0,05) (2)} (4,303)$, yang menunjukkan kerapuhan tablet ko-proses optimum tidak ada perbedaan yang bermakna terhadap hasil teoritis.

LAMPIRAN AN
HASIL UJI STATISTIK WAKTU HANCUR TABLET KO-PROSES
FORMULA OPTIMUM
(One-Sample T test)

One-Sample Statistics

	N	Mean	Std. Deviation	Std. Error Mean
Waktu hancur	3	96,2667	1,00664	,58119

One-Sample Test

	Test Value = 95.52					
	t	df	Sig. (2-tailed)	Mean Difference	95% Confidence Interval of the Difference	
					Lower	Upper
Waktu hancur	1,285	2	,328	,74667	-1,7540	3,2473

Keterangan: $T_{hitung} (1,285) < T_{tabel (0,05) (2)} (4,303)$, yang menunjukkan waktu hancur tablet ko-proses optimum tidak ada perbedaan yang bermakna terhadap hasil teoritis.

LAMPIRAN AO
HASIL UJI STATISTIK WAKTU PEMBASAHAN TABLET KO-
PROSES FORMULA OPTIMUM
(One-Sample T test)

One-Sample Statistics

	N	Mean	Std. Deviation	Std. Error Mean
Waktu pembasahan	3	169,8667	11,21844	6,47697

One-Sample Test

	Test Value = 369.81					
	t	df	Sig. (2-tailed)	Mean Difference	95% Confidence Interval of the Difference	
					Lower	Upper
Waktu pembasahan	-30,870	2	,001	-199,94333	-227,8115	-172,0752

Keterangan: $T_{hitung} (30.870) > T_{tabel (0,05) (2)} (4,303)$, yang menunjukkan waktu pembasahan tablet ko-proses optimum memiliki perbedaan yang bermakna terhadap hasil teoritis.

LAMPIRAN AP
HASIL UJI STATISTIK RASIO ABSORPSI AIR TABLET KO-
PROSES FORMULA OPTIMUM
(One-Sample T test)

One-Sample Statistics

	N	Mean	Std. Deviation	Std. Error Mean
Ratio absorpsi	3	36,2400	,70873	,40919

One-Sample Test

	Test Value = 36.27					
	t	df	Sig. (2-tailed)	Mean Difference	95% Confidence Interval of the Difference	
					Lower	Upper
Ratio absorpsi	-,073	2	,948	-,03000	-1,7906	1,7306

Keterangan: $T_{hitung} (0,073) < T_{tabel (0,05) (2)} (4,303)$, yang menunjukkan rasio absorpsi air tablet ko-proses optimum tidak ada perbedaan yang bermakna terhadap hasil teoritis.

LAMPIRAN AQ
HASIL UJI STATISTIK STABILITAS TABLET KO-PROSES
OPTIMUM
(Independent Samples test)

Hasil Uji Stabilitas Kekerasan Tablet Ko-proses

Group Statistics

Faktor		N	Mean	Std. Deviation	Std. Error Mean
Kekerasan	sebelum	3	2,3467	,11590	,06692
	sesudah	3	2,2667	,03786	,02186

Independent Samples Test

	Levene's Test for Equality of Variances		t-test for Equality of Means							
									95% Confidence Interval of the Difference	
	F	Sig.	t	df	Sig. (2- tailed)	Mean Difference	Std. Error Difference		Lower	Upper
Kekerasan Equal variances assumed	2,456	,192	1,136	4	,319	,08000	,07040	-	,11545	,27545

Independent Samples Test

	Levene's Test for Equality of Variances		t-test for Equality of Means							
									95% Confidence Interval of the Difference	
	F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper	
Kekerasan tablet ko-proses optimum	2,456	,192	1,136	4	,319	,08000	,07040	-,11545	,27545	
			1,136	2,422	,356	,08000	,07040	-,17753	,33753	

Keterangan: $T_{hitung} (1,136) < T_{tabel (0,05) (4)} (2,776)$, yang menunjukkan kekerasan tablet ko-proses optimum tidak memiliki perbedaan yang bermakna sebelum dan setelah uji stabilitas.

Hasil Uji Stabilitas Kerapuhan Tablet Ko-proses

Group Statistics

Faktor		N	Mean	Std. Deviation	Std. Error Mean
kerapuhan	Sebelum	3	,6867	,04041	,02333
	Sesudah	3	,7267	,00577	,00333

Independent Samples Test

	Levene's Test for Equality of Variances		t-test for Equality of Means							
									95% Confidence Interval of the Difference	
	F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference		Lower	Upper
kerapuhan Equal variances assumed	4,654	,097	-1,697	4	,165	-,04000	,02357		- ,10544	,02544
			-1,697							
Equal variances not assumed			-2,082		,227	-,04000	,02357		- ,05770	
			1,697						,13770	

Keterangan: $T_{hitung} (1,697) < T_{tabel (0,05) (4)} (2,776)$, menunjukkan kerapuhan tablet ko-proses optimum tidak ada perbedaan yang bermakna sebelum dan setelah uji stabilitas.

Hasil Uji Stabilitas Waktu Hancur Tablet Ko-proses

Group Statistics				
Faktor	N	Mean	Std. Deviation	Std. Error Mean
Waktu hancur sebelum	3	96,2667	1,00664	,58119
sesudah	3	95,5333	,11547	,06667

Independent Samples Test		
	Levene's Test for Equality of Variances	t-test for Equality of Means
		95% Confidence Interval of the Difference

		F	Sig. (2-tailed)	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
Waktu_hancur	Equal variances assumed	4,532	,100	1,254	4	,278	,73333	,58500	- ,89088	2,35755
	Equal variances not assumed			1,254	2,053	,334	,73333	,58500	- 1,72287	3,18954

Keterangan: $T_{hitung} (1,254) < T_{tabel (0,05) (4)} (2,776)$, menunjukkan waktu hancur tablet ko-proses optimum tidak ada perbedaan yang bermakna sebelum dan setelah uji stabilitas.

Hasil Uji Stabilitas Waktu Pembasahan Tablet Ko-proses

Group Statistics

Faktor		N	Mean	Std. Deviation	Std. Error Mean
Waktu pembasahan	sebelum	3	169,8667	11,21844	6,47697
	sesudah	3	160,8000	1,31149	,75719

Independent Samples Test

		Levene's Test for Equality of Variance s		t-test for Equality of Means						
									95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
Waktu pembasahan	Equal variances assumed	11,026	,029	1,390	4	,237	9,06667	6,52108	-9,03875	27,17208
	Equal variances not assumed			1,390	2,055	,296	9,06667	6,52108	-18,28801	36,42135

Keterangan: $T_{hitung} (1,390) < T_{tabel (0,05) (4)} (2,776)$, menunjukkan waktu pembasahan tablet ko-proses optimum tidak ada perbedaan yang bermakna sebelum dan setelah uji stabilitas.

Hasil Uji Stabilitas Rasio Absorpsi Air Tablet Ko-proses

Group Statistics

Faktor	N	Mean	Std. Deviation	Std. Error Mean
Rasio absorbsi sebelum	3	36,2400	,70873	,40919
sesudah	3	39,0100	2,49866	1,44260

Independent Samples Test

	Levene's Test for Equality of Variances	t-test for Equality of Means	
			95% Confidence Interval of the Difference

		F	Sig. .	t	df	Sig. (2- taile d)	Mean Differen ce	Std. Error Differen ce	Lower	Upper
Rasio Equal absorb varianc si es assume d Equal varianc es not assume d		7,28 1	,05 4	- 1,84 7	4	,138	- 2,77000	1,49951	- 6,933 31	1,393 31
				- 1,84 7	2,32 0	,188	- 2,77000	1,49951	- 8,440 30	2,900 30

Keterangan: $T_{hitung} (1,847) < T_{tabel (0,05) (4)} (2,776)$, menunjukkan rasio absorpsi air tablet ko-proses optimum tidak memiliki perbedaan yang bermakna sebelum dan setelah uji stabilitas.

LAMPIRAN AR
HASIL UJI STATISTIK STABILITAS TABLET ODT
DOMPERIDONE
(Independent-Sample T test)

Hasil Stabilitas Uji Kekerasan Tablet ODT

Group Statistics

Faktor		N	Mean	Std. Deviation	Std. Error Mean
Kekerasan	sebelum	3	2,4700	,22068	,12741
	sesudah	3	2,3933	,04041	,02333

Independent Samples Test

	Levene's Test for Equality of Variances		t-test for Equality of Means							
									95% Confidence Interval of the Difference	
	F	Sig.	t	df	Sig. (2- tailed)	Mean Difference	Std. Error Difference	Lower	Upper	

Kekerasan Equal	3,363	,141	,592	4	,586	,07667	,12953	-	,43630
variances								,28296	
assumed									
Equal			,592	2,134	,611	,07667	,12953	-	,60176
variances								,44842	
not									
assumed									

Keterangan: $T_{hitung} (0,592) < T_{tabel} (0,05) (4) (2,776)$, menunjukkan kekerasan tablet ODT domperidone tidak ada perbedaan yang bermakna sebelum dan setelah uji stabilitas.

Hasil Uji Stabilitas Kerapuhan Tablet ODT Domperidone

Group Statistics					
Faktor		N	Mean	Std. Deviation	Std. Error Mean
kerapuhan	sebelum	3	,6900	,02646	,01528
	sesudah	3	,7300	,00000	,00000

Independent Samples Test

	Levene's Test for Equality of Variances		t-test for Equality of Means							
									95% Confidence Interval of the Difference	
	F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference		Lower	Upper
kerapuhan Equal variances assumed	12,000	,026	-2,619	4	,059	-,04000	,01528	-	,08241	,00241
			-2,619	2,000	,120	-,04000	,01528	-	,10572	,02572

Keterangan: $T_{hitung} (2,619) < T_{tabel (0,05) (4)} (2,776)$, menunjukkan kerapuhan tablet ODT domperidone tidak memiliki perbedaan yang bermakna sebelum dan setelah uji stabilitas.

Hasil Uji Stabilitas Waktu Hancur Tablet ODT Domperidone

Group Statistics

Faktor		N	Mean	Std. Deviation	Std. Error Mean
Waktu hancur	sebelum	3	100,8667	,70238	,40552
	sesudah	3	99,7333	,41633	,24037

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
										95% Confidence Interval of the Difference
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
Waktu hancur tablet	Equal variances assumed	,582	,488	2,404	4	,074	1,13333	,47140	-,17550	2,44216
	Equal variances not assumed			2,404	3,251	,089	1,13333	,47140	-,30345	2,57011

Keterangan: $T_{hitung} (2,404) < T_{tabel (0,05) (4)} (2,776)$, menunjukkan waktu hancur tablet ODT domperidone tidak ada perbedaan yang bermakna sebelum dan setelah uji stabilitas.

Hasil Uji Stabilitas Waktu Pembasahan Tablet ODT Domperidone

Group Statistics

Faktor		N	Mean	Std. Deviation	Std. Error Mean
Waktu pembasahan	sebelum	3	181,1333	2,80951	1,62207
	sesudah	3	178,7333	,50332	,29059

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
										95% Confidence Interval of the Difference
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
Waktu pembasahan	Equal variances assumed	3,458	,136	1,456	4	,219	2,40000	1,64789	-2,17529	6,97529
	Equal variances not assumed			1,456	2,128	,275	2,40000	1,64789	-4,29622	9,09622

Keterangan: $T_{hitung} (1,456) < T_{tabel (0,05) (4)} (2,776)$, menunjukkan waktu pembasahan tablet ODT domperidone tidak ada perbedaan yang bermakna sebelum dan setelah uji stabilitas.

Hasil Uji Stabilitas Rasio Absorpsi Air Tablet ODT Domperidone

Group Statistics

Faktor		N	Mean	Std. Deviation	Std. Error Mean
Ratio Absorpsi	sebelum	3	37,0267	,87786	,50683
	sesudah	3	37,6167	,03512	,02028

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
										95% Confidence Interval of the Difference
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
Ratio Absorpsi	Equal variances assumed	12,478	,024	-1,163	4	,309	-,59000	,50724	-1,99831	,81831
	Equal variances not assumed			-1,163	2,006	,364	-,59000	,50724	-2,76580	1,58580

Keterangan: $T_{hitung} (1,163) < T_{tabel (0,05) (4)} (2,776)$, menunjukkan rasio absorpsi air tablet ODT domperidone tidak berbeda bermakna sebelum dan setelah uji stabilitas.

LAMPIRAN AS

HASIL UJI STATISTIK PENETAPAN KADAR

ODT DOMPERIDONE DALAM PELARUT HCl 0,1 N

(One Way Anova)

Descriptives

Penetapan kadar

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
Formula_ODT	3	92,5133	,40452	,23355	91,5085	93,5182	92,20	92,97
Pembanding_1	3	99,2333	,64291	,37118	97,6363	100,8304	98,50	99,70
Pembanding_2	3	98,8667	1,78979	1,03333	94,4206	103,3127	96,90	100,40
Total	9	96,8711	3,41354	1,13785	94,2472	99,4950	92,20	100,40

Test of Homogeneity of Variances

Penetapan kadar

Levene Statistic	df1	df2	Sig.
3,671	2	6	,091

ANOVA

Penetapan kadar

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	85,658	2	42,829	33,988	,001
Within Groups	7,561	6	1,260		
Total	93,218	8			

Keterangan :

$F_{hitung} (33,988) > F_{tabel (0,05) (2,6) (5,14)}$ maka hipotesa 0 ditolak dan hasil penetapan kadar memiliki perbedaan bermakna antar formula ODT hasil percobaan dengan tablet pembanding.

Multiple Comparisons

Penetapan kadar

Dunnett t (2-sided)^a

(I) Formula	(J) Formula	Mean Difference (I- J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
Pembanding 1	Formula ODT	6,72000*	,91655	,001	4,0961	9,3439
Pembanding 2	Formula ODT	6,35333*	,91655	,001	3,7295	8,9772

a. Dunnett t-tests treat one group as a control, and compare all other groups against it.

*. The mean difference is significant at the 0,05 level.

Keterangan :

Hasil Uji Dunnett dari ketiga formula, diperoleh nilai $\text{Sig.} < \alpha$ (0,05) sehingga H_0 ditolak (*), berarti rata-rata penetapan kadar dari ketiga formula menunjukkan bahwa ada perbedaan yang signifikan antar formula yaitu formula ODT dengan masing- masing pembanding menunjukkan perbedaan yang signifikan.

LAMPIRAN AT
HASIL UJI STATISTIK PERSEN OBAT TERLEPAS TABLET
ODT DOMPERIDONE PADA t = 30 MENIT
(One Way Anova)

Descriptives

%Obat terlepas

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower	Upper		
					Bound	Bound		
Formula_ODT	3	83,6267	,89969	,51943	81,3917	85,8616	82,61	84,32
Pembanding_1	3	72,2433	2,40675	1,38954	66,2646	78,2220	70,56	75,00
Pembanding_2	3	69,8333	1,15249	,66539	66,9704	72,6963	68,55	70,78
Total	9	75,2344	6,53361	2,17787	70,2123	80,2566	68,55	84,32

Test of Homogeneity of Variances

%Obat terlepas

Levene Statistic	df1	df2	Sig.
3,262	2	6	,110

ANOVA

%Obat terlepas

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	325,644	2	162,822	61,597	,000
Within Groups	15,860	6	2,643		
Total	341,505	8			

Keterangan :

$F_{hitung} (61,597) > F_{tabel (0,05) (2,6)} (5,14)$ maka H_0 ditolak dan menunjukkan persen obat terlepas memiliki perbedaan yang bermakna antar formula ODT hasil percobaan dengan tablet pembanding.

Multiple Comparisons

%Obat terlepas

Dunnett t (2-sided)^a

(I) Formula	(J) Formula	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
Pembanding 1	Formula ODT	-11,18333 [*]	1,28289	,000	-14,8559	-7,5107
Pembanding 2	Formula ODT	-13,79333 [*]	1,28289	,000	-17,4659	-10,1207

a. Dunnett t-tests treat one group as a control, and compare all other groups against it.

*. The mean difference is significant at the 0,05 level.

Keterangan :

Hasil Uji Dunnett dari ketiga formula , diperoleh nilai $\text{Sig.} < \alpha (0,05)$ sehingga H_0 ditolak (*), berarti rata-rata % obat terlepas dari ketiga formula menunjukkan bahwa ada perbedaan yang signifikan antar formula yaitu formula ODT dengan masing- masing pembanding menunjukkan perbedaan yang signifikan.

LAMPIRAN AU
HASIL UJI STATISTIK PERSEN EFISIENSI DISOLUSI
TABLET ODT DOMPERIDONE
(One Way Anova)

Descriptives

Efisiensi Disolusi

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower	Upper		
					Bound	Bound		
Formula_ODT	3	79,2000	1,76400	1,01845	74,8180	83,5820	77,17	80,36
Pembanding_1	3	64,6333	,69644	,40209	62,9033	66,3634	64,14	65,43
Pembanding_2	3	60,0133	,78309	,45212	58,0680	61,9586	59,11	60,50
Total	9	67,9489	8,73270	2,91090	61,2363	74,6614	59,11	80,36

Test of Homogeneity of Variances

Efisiensi Disolusi

Levene Statistic	df1	df2	Sig.
3,769	2	6	,087

ANOVA

Efisiensi Disolusi

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	601,660	2	300,830	214,370	,000
Within Groups	8,420	6	1,403		
Total	610,080	8			

Keterangan :

$F_{hitung} (214,370) > F_{tabel (0,05) (2,6)} (5,14)$ maka H_0 ditolak dan ada perbedaan yang bermakna antar formula ODT hasil percobaan dengan tablet pembanding pada persen efisiensi disolusi ODT domperidone.

Multiple Comparisons

Efisiensi Disolusi

Dunnett t (2-sided)^a

(I) Formula	(J) Formula	Mean Difference (I- J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
Pembanding 1	Formula ODT	-14,56667 [*]	,96724	,000	-17,3356	-11,7977
Pembanding 2	Formula ODT	-19,18667 [*]	,96724	,000	-21,9556	-16,4177

a. Dunnett t-tests treat one group as a control, and compare all other groups against it.

*. The mean difference is significant at the 0,05 level.

Keterangan :

Hasil Uji Dunnnett dari ketiga formula , diperoleh nilai $\text{Sig.} < \alpha (0,05)$ sehingga H_0 ditolak (*), berarti rata-rata % efisiensi disolusi dari ketiga formula menunjukkan bahwa ada perbedaan yang signifikan antar formula yaitu formula ODT dengan masing- masing pembanding menunjukkan perbedaan yang signifikan.

LAMPIRAN AV

UJI F KURVA BAKU DENGAN HCl 0,1 N UNTUK UJI

PENETAPAN KADAR DOMPERIDONE

Replikasi	C _(ppm)	Abs	X ²	Y ²	XY
I	2,04	0,081	4,1616	0,0066	0,16524
	4,08	0,141	16,6464	0,0199	0,57528
	6,12	0,191	37,4544	0,0365	1,16892
	8,16	0,253	66,5856	0,0640	2,06448
	10,20	0,314	104,0400	0,0986	3,2028
	12,24	0,374	149,8176	0,1399	4,57776
	14,28	0,431	203,9184	0,1858	6,15468
Total			582,6240	0,5512	17,9092
II	2,02	0,078	4,0643	0,0061	0,157248
	4,03	0,139	16,2570	0,0193	0,560448
	6,05	0,204	36,5783	0,0416	1,233792
	8,06	0,270	65,0281	0,0729	2,17728
	10,08	0,327	101,6064	0,1069	3,29616
	12,09	0,386	146,3132	0,1490	4,669056
	14,11	0,442	199,1485	0,1954	6,237504
Total			568,9958	0,5912	18,3315
III	2,02	0,078	4,0643	0,0061	0,157248
	4,03	0,135	16,2570	0,0182	0,54432
	6,05	0,185	36,5783	0,0342	1,11888
	8,06	0,252	65,0281	0,0635	2,032128
	10,08	0,307	101,6064	0,0942	3,09456
	12,09	0,359	146,3132	0,1289	4,342464
	14,11	0,422	199,1485	0,1781	5,955264
Total			568,9958	0,5233	17,2449

Persamaan regresi :

Replikasi I : $y = 0,0287x + 0,0209$ ($r_{hitung} / r_{tabel} = 0,9997 / 0,754$)

Replikasi II : $y = 0,0303x + 0,0196$ ($r_{hitung} / r_{tabel} = 0,9993 / 0,754$)

Replikasi III : $y = 0,0284x + 0,0194$ ($r_{hitung} / r_{tabel} = 0,9996 / 0,754$)

	Jumlah X^2	Jumlah XY	Jumlah Y^2	n	Residual SS	Residual DF
Pers. Reg. I	582,984	17,909	0,551	7	$8,4377 \cdot 10^{-4}$	5
Pers. Reg. II	568,996	18,331	0,591	7	$4,4126 \cdot 10^{-4}$	5
Pers. Reg. III	568,996	17,245	0,523	7	$3,4250 \cdot 10^{-4}$	5
Pooled reg.					$16,2753 \cdot 10^{-4}$	15
Common reg.	1720,976	53,485	1,665		$2,7770 \cdot 10^{-3}$	17

$$SS1 = \sum (Y^2) - \frac{(XY)^2}{(Y^2)} = 0,551 - \frac{(17,909)^2}{582,984} = 8,4377 \cdot 10^{-4}$$

$$SS2 = \sum (Y^2) - \frac{(XY)^2}{(Y^2)} = 0,591 - \frac{(18,33)^2}{568,996} = 4,4126 \cdot 10^{-4}$$

$$SS3 = \sum (Y^2) - \frac{(XY)^2}{(Y^2)} = 0,523 - \frac{(17,245)^2}{568,996} = 3,4259 \cdot 10^{-4}$$

$$SSe = \text{Common regression} = 1,665 - \frac{(53,486)^2}{1720,976} = 2,777 \cdot 10^{-4}$$

$$F_{hitung} = \frac{2,777 \cdot 10^{-4} - 16,2753 \cdot 10^{-4}}{5 - 1} \times \frac{15}{16,2753 \cdot 10^{-4}}$$

$$= \frac{2,777 \cdot 10^{-4} - 16,2753 \cdot 10^{-4}}{1,08502 \cdot 10^{-4}}$$

$$= 2,6485 < F_{(0,05) (2,15)} = 3,68$$

LAMPIRAN AW

HASIL UJI ANAVA *CARR'S INDEX* DENGAN *DESIGN EXPERT*

Response	1	Carr_index			
ANOVA for selected factorial model					
Analysis of variance table [Partial sum of squares - Type III]					
Source	Sum of Squares	df	Mean Square	F Value	p-value Prob > F
Model	195,75	7	27,96	8,41	0,0002 significant
A-Kons.Manitol	16,77	1	16,77	5,04	0,0392
B-Kons.CP	112,75	1	112,75	33,93	< 0,0001
C-Kons.PVP	28,91	1	28,91	8,70	0,0094
AB	4,22	1	4,22	1,27	0,2766
AC	0,73	1	0,73	0,22	0,6461
BC	24,28	1	24,28	7,31	0,0157
ABC	8,10	1	8,10	2,44	0,1381
Pure Error	53,18	16	3,32		
Cor Total	248,93	23			

The Model F-value of 8,41 implies the model is significant. There is only a 0,02% chance that a "Model F-Value" this large could occur due to noise. Values of "Prob > F" less than 0,0500 indicate model terms are significant. In this case A, B, C, BC are significant model terms. Values greater than 0,1000 indicate the model terms are not significant. If there are many insignificant model terms (not counting those required to support hierarchy), model reduction may improve your model.

Std. Dev.	1,82	R-Squared	0,7864
Mean	16,57	Adj R-Squared	0,6929
C.V. %	11,00	Pred R-Squared	0,5193
PRESS	119,65	Adeq Precision	7,949

The "Pred R-Squared" of 0,5193 is in reasonable agreement with the "Adj R-Squared" of 0,6929. "Adeq Precision" measures the signal to noise

ratio. A ratio greater than 4 is desirable. Your ratio of 7,949 indicates an adequate signal. This model can be used to navigate the design space.

Factor	Estimate	Coefficient df	Error	Standard Low	95% CI High	95% CI	VIF
Intercept		16,57	1	0,37	15,79	17,36	
A-Kons.Manitol		0,84	1	0,37	0,047	1,62	1,00
B-Kons.CP		2,17	1	0,37	1,38	2,96	1,00
C-Kons.PVP		1,10	1	0,37	0,31	1,89	1,00
AB		0,42	1	0,37	-0,37	1,21	1,00
AC		-0,17	1	0,37	-0,96	0,61	1,00
BC		-1,01	1	0,37	-1,79	-0,22	1,00
ABC		-0,58	1	0,37	-1,37	0,21	1,00

Final Equation in Terms of Coded Factors:

Carr_index
+16,57
+0,84
+2,17
+1,10
+0,42
-0,17
-1,01
-0,58

=
* A
* B
* C
* A * B
* A * C
* B * C
* A * B * C

Final Equation in Terms of Actual Factors:

Carr_index
+16,57417
+0,83583
+2,16750
+1,09750
+0,41917
-0,17417
-1,00583
-0,58083

=
* Kons.Manitol
* Kons.CP
* Kons.PVP
* Kons.Manitol * Kons.CP
* Kons.Manitol * Kons.PVP
* Kons.CP * Kons.PVP
* Kons.Manitol * Kons.CP *Kons.PVP

The Diagnostics Case Statistics Report has been moved to the Diagnostics Node. In the Diagnostics Node, Select Case Statistics from the View Menu.

Proceed to Diagnostic Plots (the next icon in progression). Be sure to look at the:

- 1) Normal probability plot of the studentized residuals to check for normality of residuals.
- 2) Studentized residuals versus predicted values to check for constant error.
- 3) Externally Studentized Residuals to look for outliers, i.e., influential values.
- 4) Box-Cox plot for power transformations.

If all the model statistics and diagnostic plots are OK, finish up with the Model Graphs icon.

LAMPIRAN AX

HASIL UJI ANAVA HAUSNER RATIO DENGAN DESIGN EXPERT

Response 2 Hausner

ANOVA for selected factorial model

Analysis of variance table [Partial sum of squares - Type III]

Source	Sum of Squares	df	Mean Square	F Value	p-value Prob > F
Model significant	0,040	7	5,780E-003	7,77	0,0004
<i>A-Kons.Manitol</i>	<i>4,401E-003</i>	<i>1</i>	<i>4,401E-003</i>	<i>5,92</i>	<i>0,0271</i>
<i>B-Kons.CP</i>	<i>0,023</i>	<i>1</i>	<i>0,023</i>	<i>31,43</i>	<i><0,0001</i>
<i>C-Kons.PVP</i>	<i>5,735E-003</i>	<i>1</i>	<i>5,735E-003</i>	<i>7,71</i>	<i>0,0135</i>
<i>AB</i>	<i>1,053E-003</i>	<i>1</i>	<i>1,053E-003</i>	<i>1,42</i>	<i>0,2513</i>
<i>AC</i>	<i>2,870E-004</i>	<i>1</i>	<i>2,870E-004</i>	<i>0,39</i>	<i>0,5432</i>
<i>BC</i>	<i>3,927E-003</i>	<i>1</i>	<i>3,927E-003</i>	<i>5,28</i>	<i>0,0354</i>
<i>ABC</i>	<i>1,683E-003</i>	<i>1</i>	<i>1,683E-003</i>	<i>2,26</i>	<i>0,1519</i>
Pure Error	0,012	16	7,436E-004		
Cor Total	0,052	23			

The Model F-value of 7,77 implies the model is significant. There is only a 0.04% chance that a "Model F-Value" this large could occur due to noise.

Values of "Prob > F" less than 0,0500 indicate model terms are significant.

In this case A, B, C, BC are significant model terms. Values greater than 0,1000 indicate the model terms are not significant. If there are many insignificant model terms (not counting those required to support hierarchy), model reduction may improve your model.

Std. Dev.	0,027	R-Squared	0,7728
Mean	1,20	Adj R-Squared	0,6734
C.V. %	2,28	Pred R-Squared	0,4887
PRESS	0,027	Adeq Precision	7,749

The "Pred R-Squared" of 0,4887 is in reasonable agreement with the "Adj R-Squared" of 0,6734.

"Adeq Precision" measures the signal to noise ratio. A ratio greater than 4 is desirable. Your ratio of 7,749 indicates an adequate signal.

This model can be used to navigate the design space.

Factor	Coefficient Estimate	df	Standard Error	95% CI Low	95% CI High	VIF
Intercept	1,20	1	5,566E-003	1,19	1,21	
A-Kons.Manitol	0,014	1	5,566E-003	1,742E-003	0,025	1,00
B-Kons.CP	0,031	1	5,566E-003	0,019	0,043	1,00
C-Kons.PVP	0,015	1	5,566E-003	3,658E-003	0,027	1,00
AB	6,625E-003	1	5,566E-003	-5,175E-003	0,018	1,00
AC	-3,458E-003	1	5,566E-003	-0,015	8,342E-003	1,00
BC	-0,013	1	5,566E-003	-0,025	-9,915E-004	1,00
ABC	-8,375E-003	1	5,566E-003	-0,020	3,425E-003	1,00

Final Equation in Terms of Coded Factors:

$$\begin{aligned}
 \text{Hausner} &= \\
 &+1,20 \\
 &+0,014 * A \\
 &+0,031 * B \\
 &+0,015 * C \\
 &+6,625E-003 * A * B \\
 &-3,458E-003 * A * C \\
 &-0,013 * B * C \\
 &-8,375E-003 * A * B * C
 \end{aligned}$$

Final Equation in Terms of Actual Factors:

$$\begin{aligned}
 \text{Hausner} &= \\
 &+1,19779 \\
 &+0,013542 * \text{Kons.Manitol} \\
 &+0,031208 * \text{Kons.CP} \\
 &+0,015458 * \text{Kons.PVP} \\
 &+6,62500E-003 * \text{Kons.Manitol} * \text{Kons.CP} \\
 &-3,45833E-003 * \text{Kons.Manitol} * \text{Kons.PVP} \\
 &-0,012792 * \text{Kons.CP} * \text{Kons.PVP} \\
 &-8,37500E-003 * \text{Kons.Manitol} * \text{Kons.CP} * \text{Kons.PVP}
 \end{aligned}$$

The Diagnostics Case Statistics Report has been moved to the Diagnostics Node. In the Diagnostics Node, Select Case Statistics from the View Menu. Proceed to Diagnostic Plots (the next icon in progression). Be sure to look at the:

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- 3) Externally Studentized Residuals to look for outliers, i.e., influential values.
- 4) Box-Cox plot for power transformations.

If all the model statistics and diagnostic plots are OK, finish up with the Model Graphs icon.

LAMPIRAN AY
HASIL UJI ANAVA KERAPUHAN DENGAN *DESIGN EXPERT*

Response 4 Kerapuhan					
ANOVA for selected factorial model					
Analysis of variance table [Partial sum of squares - Type III]					
Source	Sum of Squares	df	Mean Square	F Value	p-value Prob > F
Model	0,99	7	0,14	5,42	0,0025 significant
<i>A-Kons.Manitol</i>	<i>7,004E-003</i>	<i>1</i>	<i>7,004E-003</i>	<i>0,27</i>	<i>0,6119</i>
<i>B-Kons.CP</i>	<i>2,204E-003</i>	<i>1</i>	<i>2,204E-003</i>	<i>0,084</i>	<i>0,7753</i>
<i>C-Kons.PVP</i>	<i>0,47</i>	<i>1</i>	<i>0,47</i>	<i>17,87</i>	<i>0,0006</i>
<i>AB</i>	<i>0,019</i>	<i>1</i>	<i>0,019</i>	<i>0,71</i>	<i>0,4103</i>
<i>AC</i>	<i>0,051</i>	<i>1</i>	<i>0,051</i>	<i>1,96</i>	<i>0,1804</i>
<i>BC</i>	<i>0,098</i>	<i>1</i>	<i>0,098</i>	<i>3,73</i>	<i>0,0714</i>
<i>ABC</i>	<i>0,35</i>	<i>1</i>	<i>0,35</i>	<i>13,30</i>	<i>0,0022</i>
Pure Error	0,42	16	0,026		
Cor Total	1,41	23			

The Model F-value of 5,42 implies the model is significant. There is only a 0,25% chance that a "Model F-Value" this large could occur due to noise. Values of "Prob > F" less than 0,0500 indicate model terms are significant. In this case C, ABC are significant model terms. Values greater than 0,1000 indicate the model terms are not significant. If there are many insignificant model terms (not counting those required to support hierarchy), model reduction may improve your model.

Std. Dev.	0,16	R-Squared	0,7033
Mean	0,60	Adj R-Squared	0,5735
C.V. %	26,75	Pred R-Squared	0,3325
PRESS	0,94	Adeq Precision	7,924

The "Pred R-Squared" of 0,3325 is not as close to the "Adj R-Squared" of 0,5735 as one might normally expect. This may indicate a large block effect or a possible problem with your model and/or data. Things to consider are model reduction, response transformation, outliers, etc.

"Adeq Precision" measures the signal to noise ratio. A ratio greater than 4 is desirable. Your ratio of 7,924 indicates an adequate signal. This model can be used to navigate the design space.

Factor	Coefficient	df	Standard Error	95% CI		VIF
	Estimate			Low	High	
Intercept	0,60	1	0,033	0,53	0,67	
A-Kons.Manitol	0,017	1	0,033	-0,053	0,087	1,00
B-Kons.CP	-9,583E-003	1	0,033	-0,080	0,060	1,00
C-Kons.PVP	-0,14	1	0,033	-0,21	-0,070	1,00
AB	0,028	1	0,033	-0,042	0,098	1,00
AC	0,046	1	0,033	-0,024	0,120	1,00
BC	-0,064	1	0,033	-0,13	6,242E-003	1,00
ABC	0,12	1	0,033	0,050	0,191,0	1,00

Final Equation in Terms of Coded Factors:

$$\begin{aligned}
 \text{Kerapuhan} = & +0,60 \\
 & +0,017 * A \\
 & -9,583E-003 * B \\
 & -0,14 * C \\
 & +0,028 * A * B \\
 & +0,046 * A * C \\
 & -0,064 * B * C \\
 & +0,12 * A * B * C
 \end{aligned}$$

Final Equation in Terms of Actual Factors:

$$\begin{aligned} \text{Kerapuhan} &= \\ &+0,60458 \\ &+0,017083 * \text{Kons.Manitol} \\ &-9,58333\text{E-}003 * \text{Kons.CP} \\ &-0,13958 * \text{Kons.PVP} \\ &+0,027917 * \text{Kons.Manitol} * \text{Kons.CP} \\ &+0,046250 * \text{Kons.Manitol} * \text{Kons.PVP} \\ &-0,063750 * \text{Kons.CP} * \text{Kons.PVP} \\ &+0,12042 * \text{Kons.Manitol} * \text{Kons.CP} * \text{Kons.PVP} \end{aligned}$$

The Diagnostics Case Statistics Report has been moved to the Diagnostics Node. In the Diagnostics Node, Select Case Statistics from the View Menu.

Proceed to Diagnostic Plots (the next icon in progression). Be sure to look at the:

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If all the model statistics and diagnostic plots are OK, finish up with the Model Graphs icon.

LAMPIRAN AZ

HASIL UJI ANAVA KEKERASAN DENGAN *DESIGN EXPERT*

Response 3 Kekerasan					
ANOVA for selected factorial model					
Analysis of variance table [Partial sum of squares - Type III]					
Source	Sum of Squares	df	Mean Square	F Value	p-value Prob > F
Model	0,87	7	0,12	8,36	0,0002 significant
<i>A-Kons.Manitol</i>	<i>0,10</i>	<i>1</i>	<i>0,10</i>	<i>6,88</i>	<i>0,0185</i>
<i>B-Kons.CP</i>	<i>0,58</i>	<i>1</i>	<i>0,58</i>	<i>38,81</i>	<i>< 0,0001</i>
<i>C-Kons.PVP</i>	<i>0,11</i>	<i>1</i>	<i>0,11</i>	<i>7,59</i>	<i>0,0141</i>
<i>AB</i>	<i>2,604E-003</i>	<i>1</i>	<i>2,604E-003</i>	<i>0,17</i>	<i>0,6818</i>
<i>AC</i>	<i>0,038</i>	<i>1</i>	<i>0,038</i>	<i>2,52</i>	<i>0,1322</i>
<i>BC</i>	<i>0,038</i>	<i>1</i>	<i>0,038</i>	<i>2,52</i>	<i>0,1322</i>
<i>ABC</i>	<i>3,375E-004</i>	<i>1</i>	<i>3,375E-004</i>	<i>0,023</i>	<i>0,8824</i>
Pure Error	0,24	16	0,015		
Cor Total	1,11	23			

The Model F-value of 8,36 implies the model is significant. There is only a 0,02% chance that a "Model F-Value" this large could occur due to noise. Values of "Prob > F" less than 0,0500 indicate model terms are significant. In this case A, B, C are significant model terms. Values greater than 0,1000 indicate the model terms are not significant. If there are many insignificant model terms (not counting those required to support hierarchy), model reduction may improve your model.

Std. Dev.	0,12	R-Squared	0,7853
Mean	2,58	Adj R-Squared	0,6913
C. V. %	4,73	Pred R-Squared	0,5168
PRESS	0,54	Adeq Precision	8,503

The "Pred R-Squared" of 0,5168 is in reasonable agreement with the "Adj

R-Squared" of 0,6913. "Adeq Precision" measures the signal to noise ratio. A ratio greater than 4 is desirable. Your ratio of 8,503 indicates an adequate signal. This model can be used to navigate the design space.

Factor	Coefficient	df	Standard	95% CI		VIF
	Estimate		Error	Low	High	
Intercept	2,58	1	0,025	2,53	2,63	
A-Kons.Manitol	-0,065	1	0,025	-0,12	-0,013	1,00
B-Kons.CP	-0,16	1	0,025	-0,21	-0,10	1,00
C-Kons.PVP	0,069	1	0,025	0,016	0,12	1,00
AB	0,010	1	0,025	-0,042	0,063	1,00
AC	0,040	1	0,025	-0,013	0,092	1,00
BC	0,040	1	0,025	-0,013	0,092	1,00
ABC	3,750E-003	1	0,025	-0,049	0,057	1,00

Final Equation in Terms of Coded Factors:

Kekerasan

=

+2,58

-0,065

* A

-0,16

* B

+0,069

* C

+0,010

* A * B

+0,040

* A * C

+0,040

* B * C

+3,750E-003

* A * B * C

Final Equation in Terms of Actual Factors:

Kekerasan

=

+2,58208

-0,065417

* Kons.Manitol

-0,15542

* Kons.CP

+0,068750

* Kons.PVP

+0,010417

* Kons.Manitol * Kons.CP

+0,039583

* Kons.Manitol * Kons.PVP

+0,039583

* Kons.CP * Kons.PVP

+3,75000E-003

* Kons.Manitol * Kons.CP * Kons.PVP

The Diagnostics Case Statistics Report has been moved to the Diagnostics Node. In the Diagnostics Node, Select Case Statistics from the View Menu. Proceed to Diagnostic Plots (the next icon in progression). Be sure to look at the:

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If all the model statistics and diagnostic plots are OK, finish up with the Model Graphs icon.

LAMPIRAN BA

HASIL UJI ANAVA WAKTU HANCUR DENGAN *DESIGN EXPERT*

Response 5 Waktu_hancur					
ANOVA for selected factorial model					
Analysis of variance table [Partial sum of squares - Type III]					
Source	Sum of Squares	df	Mean Square	F Value	p-value Prob > F
Model	5,604E+005	7	80062,73	51764,70	< 0,0001 significant
A-Kons.Manitol	2838,38	1	2838,38	1835,16	< 0,0001
B-Kons.CP	3,680E+005	1	3,680E+005	2,379E+005	<0,0001
C-Kons.PVP	1,715E+005	1	1,715E+005	1,109E+005	<0,0001
AB	351,14	1	351,14	227,03	<0,0001
AC	5274,73	1	5274,73	3410,39	<0,0001
BC	12521,80	1	12521,80	8095,99	<0,0001
ABC	2,53	1	2,53	1,64	0,2187
Pure Error	24,75	16	1,55		
Cor Total	5,605E+005	23			

The Model F-value of 51764,70 implies the model is significant. There is only a 0,01% chance that a "Model F-Value" this large could occur due to noise.

Values of "Prob > F" less than 0,0500 indicate model terms are significant. In this case A, B, C, AB, AC, BC are significant model terms. Values greater than 0,1000 indicate the model terms are not significant. If there are many insignificant model terms (not counting those required to support hierarchy), model reduction may improve your model.

Std. Dev.	1,24	R-Squared	1,0000
Mean	244,94	Adj R-Squared	0,9999
C.V. %	0,51	Pred R-Squared	0,9999
PRESS	55,68	Adeq Precision	632,293

The "Pred R-Squared" of 0,9999 is in reasonable agreement with the "Adj R-Squared" of 0,9999

"Adeq Precision" measures the signal to noise ratio. A ratio greater than 4 is desirable. Your ratio of 632,293 indicates an adequate signal. This model can be used to navigate the design space.

Factor	Coefficient Estimate	df	Standard Error	95% CI Low	95% CI High	VIF
Intercept	244,94	1	0,25	244,40	245,48	
A-Kons.Manitol	10,87	1	0,25	10,34	11,41	1,00
B-Kons.CP	-123,82	1	0,25	-124,36	-123,29	1,00
C-Kons.PVP	84,52	1	0,25	83,99	85,06	1,00
AB	-3,82	1	0,25	-4,36	-3,29	1,00
AC	14,83	1	0,25	14,29	15,36	1,00
BC	-22,84	1	0,25	-23,38	-22,30	1,00
ABC	0,32	1	0,25	-0,21	0,86	1,00

Final Equation in Terms of Coded Factors:

$$\begin{aligned}
 \text{Waktu_hancur} = & \\
 & +244,94 \\
 & +10,87 \quad * A \\
 & -123,82 \quad * B \\
 & +84,52 \quad * C \\
 & -3,82 \quad * A * B \\
 & +14,83 \quad * A * C \\
 & -22,84 \quad * B * C \\
 & +0,32 \quad * A * B * C
 \end{aligned}$$

Final Equation in Terms of Actual Factors:

$$\begin{aligned}
 \text{Waktu_hancur} = & \\
 & +244,94167 \\
 & +10,87500 \quad * \text{Kons.Manitol} \\
 & -123,82500 \quad * \text{Kons.CP} \\
 & +84,52500 \quad * \text{Kons.PVP} \\
 & -3,82500 \quad * \text{Kons.Manitol} * \text{Kons.CP} \\
 & +14,82500 \quad * \text{Kons.Manitol} * \text{Kons.PVP} \\
 & -22,84167 \quad * \text{Kons.CP} * \text{Kons.PVP} \\
 & +0,32500 \quad * \text{Kons.Manitol} * \text{Kons.CP} * \text{Kons.PVP}
 \end{aligned}$$

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If all the model statistics and diagnostic plots are OK, finish up with the Model Graphs icon.

LAMPIRAN BB
HASIL UJI ANAVA WAKTU PEMBASAHAN DENGAN *DESIGN*
EXPERT

Response 6 Waktu_basah

ANOVA for selected factorial model

Analysis of variance table [Partial sum of squares - Type III]

Source	Sum of Squares	df	Mean Square	F Value	p-value Prob > F
Model	6,543E+007	7	9,348E+006	4,445E+005	< 0,0001 significant
<i>A-Kons.Manitol</i>	5,353E+005	1	5,353E+005	25454,72	<0,0001
<i>B-Kons.CP</i>	2,669E+007	1	2,669E+007	1,269E+006	<0,0001
<i>C-Kons.PVP</i>	2,331E+007	1	2,331E+007	1,108E+006	<0,0001
<i>AB</i>	2,324E+006	1	2,324E+006	1,105E+005	<0,0001
<i>AC</i>	1,391E+005	1	1,391E+005	6613,95	<0,0001
<i>BC</i>	1,116E+007	1	1,116E+007	5,305E+005	<0,0001
<i>ABC</i>	1,284E+006	1	1,284E+006	61038,12	<0,0001
Pure Error	336,45	16	21,03		
Cor Total	6,543E+007	23			

The Model F-value of 444527,60 implies the model is significant. There is only a 0,01% chance that a "Model F-Value" this large could occur due to noise.

Values of "Prob > F" less than 0,0500 indicate model terms are significant.

In this case A, B, C, AB, AC, BC, ABC are significant model terms. Values greater than 0,1000 indicate the model terms are not significant. If there are many insignificant model terms (not counting those required to support hierarchy), model reduction may improve your model.

Std. Dev.	4,59	R-Squared	1,0000
Mean	1490,31	Adj R-Squared	1,0000
C.V. %	0,31	Pred R-Squared	1,0000
PRESS	757,02	Adeq Precision	1833,655

The "Pred R-Squared" of 1,0000 is in reasonable agreement with the "Adj R-Squared" of 1,0000.

"Adeq Precision" measures the signal to noise ratio. A ratio greater than 4 is desirable. Your ratio of 1833,655 indicates an adequate signal. This model can be used to navigate the design space.

Factor	Coefficient	df	Standard	95% CI	95% CI	VIF
	Estimate		Error	Low	High	
Intercept	1490,31	1	0,94	1488,32	1492,29	
A-Kons.Manitol	149,34	1	0,94	147,36	151,33	1,00
B-Kons.CP	-1054,51	1	0,94	-1056,49	-1052,52	1,00
C-Kons.PVP	985,49	1	0,94	983,51	987,48	1,00
AB	-311,21	1	0,94	-313,19	-309,22	1,00
AC	76,13	1	0,94	74,14	78,11	1,00
BC	-681,76	1	0,94	-683,74	-679,77	1,00
ABC	-231,26	1	0,94	-233,24	-229,27	1,00

Final Equation in Terms of Coded Factors:

$$\begin{aligned}
 \text{Waktu_basah} &= \\
 &+1490,31 \\
 &+149,34 \quad * A \\
 &-1054,51 \quad * B \\
 &+985,49 \quad * C \\
 &-311,21 \quad * A * B \\
 &+76,13 \quad * A * C \\
 &-681,76 \quad * B * C \\
 &-231,26 \quad * A * B * C
 \end{aligned}$$

Final Equation in Terms of Actual Factors:

Waktu_basah	=
+1490,30833	
+149,34167	* Kons.Manitol
-1054,50833	* Kons.CP
+985,49167	* Kons.PVP
-311,20833	* Kons.Manitol * Kons.CP
+76,12500	* Kons.Manitol * Kons.PVP
-681,75833	* Kons.CP * Kons.PVP
-231,25833	* Kons.Manitol * Kons.CP * Kons.PVP

The Diagnostics Case Statistics Report has been moved to the Diagnostics Node.

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If all the model statistics and diagnostic plots are OK, finish up with the Model Graphs icon.

LAMPIRAN BC
HASIL UJI ANAVA RASIO ABSORPSI AIR DENGAN *DESIGN*
EXPERT

Response 7 Rasio_absorpsi					
ANOVA for selected factorial model					
Analysis of variance table [Partial sum of squares - Type III]					
Source	Sum of Squares	df	Mean Square	F Value	p-value Prob > F
Model	3066,96	7	438,14	197,31	< 0,0001 significant
<i>A-Kons.Manitol</i>	12,03	1	12,03	5,42	0,0334
<i>B-Kons.CP</i>	2662,62	1	2662,62	1199,05	< 0,0001
<i>C-Kons.PVP</i>	218,35	1	218,35	98,33	< 0,0001
<i>AB</i>	70,90	1	70,90	31,93	< 0,0001
<i>AC</i>	0,16	1	0,16	0,071	0,7928
<i>BC</i>	3,16	1	3,16	1,42	0,2502
<i>ABC</i>	99,76	1	99,76	44,92	< 0,0001
Pure Error	35,53	16	2,22		
Cor Total	3102,49	23			

The Model F-value of 197,31 implies the model is significant. There is only a 0,01% chance that a "Model F-Value" this large could occur due to noise.

Values of "Prob > F" less than 0,0500 indicate model terms are significant.

In this case A, B, C, AB, ABC are significant model terms.

Values greater than 0,1000 indicate the model terms are not significant.

If there are many insignificant model terms (not counting those required to support hierarchy), model reduction may improve your model.

Std. Dev.	1,49	R-Squared	0,9885
Mean	25,45	Adj R-Squared	0,9835
C.V. %	5,86	Pred R-Squared	0,9742
PRESS	79,94	Adeq Precision	35,304

The "Pred R-Squared" of 0,9742 is in reasonable agreement with the "Adj R-Squared" of 0,9835.

"Adeq Precision" measures the signal to noise ratio. A ratio greater than 4 is desirable. Your ratio of 35,304 indicates an adequate signal. This model can be used to navigate the design space.

Factor	Coefficient	df	Standard Error	95% CI		VIF
	Estimate			Low	High	
Intercept	25,45	1	0,30	24,80	26,09	
A-Kons.Manitol	-0,71	1	0,30	-1,35	-0,063	1,00
B-Kons.CP	10,53	1	0,30	9,89	11,18	1,00
C-Kons.PVP	-3,02	1	0,30	-3,66	-2,37	1,00
AB	1,72	1	0,30	1,07	2,36	1,00
AC	0,081	1	0,30	-0,56	0,73	1,00
BC	-0,36	1	0,30	-1,01	0,28	1,00
ABC	-2,04	1	0,30	-2,68	-1,39	1,00

Final Equation in Terms of Coded Factors:

$$\begin{aligned}
 \text{Ratio_absorpsi} &= \\
 &+25,45 \\
 &-0,71 * A \\
 &+10,53 * B \\
 &-3,02 * C \\
 &+1,72 * A * B \\
 &+0,081 * A * C \\
 &-0,36 * B * C \\
 &-2,04 * A * B * C
 \end{aligned}$$

Final Equation in Terms of Actual Factors:

$$\begin{aligned} \text{Rasio_absorpsi} &= \\ &+25,44958 \\ &-0,70792 \quad * \text{Kons.Manitol} \\ &+10,53292 \quad * \text{Kons.CP} \\ &-3,01625 \quad * \text{Kons.PVP} \\ &+1,71875 \quad * \text{Kons.Manitol} * \text{Kons.CP} \\ &+0,081250 \quad * \text{Kons.Manitol} * \text{Kons.PVP} \\ &-0,36292 \quad * \text{Kons.CP} * \text{Kons.PVP} \\ &-2,03875 \quad * \text{Kons.Manitol} * \text{Kons.CP} * \text{Kons.PVP} \end{aligned}$$

The Diagnostics Case Statistics Report has been moved to the Diagnostics Node. In the Diagnostics Node, Select Case Statistics from the View Menu. Proceed to Diagnostic Plots (the next icon in progression). Be sure to look at the:

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- 3) Externally Studentized Residuals to look for outliers, i.e., influential values.
- 4) Box-Cox plot for power transformations.

If all the model statistics and diagnostic plots are OK, finish up with the Model Graphs icon.